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Lancaster Farming

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An employee of the Penn State Extension Service in Lancaster works with the new computer system.

Extension computer network running

BY WENDY WEHR

UNIVERSITY PARK — The old excuse of "it's in the mail" won't hold up any longer among Penn State Cooperative Extension workers.

Since mid-April all the Extension offices in the state have been linked by a computer network that "delivers the mail" electronically in just a matter of seconds.

The Pennsylvania Extension Network, or PEN, is an on-line information and communication system that allows personnel in the 67 county extension offices to communicate electronically with their colleagues in other counties and with the extension faculty at University Park.

"The beauty of it is to be able to get messages to your co-workers on the same day," says Larry Yager, area extension marketing agent in Adams County, about the electronic mail system. At the touch of a button he can send out a meeting notice to county agents in his region or receive a fruit newsletter from Penn State.

But what good is this network to the residents of Pennsylvania?

"The key thing is that the county agents are going to have very much more current and more specialized information," says Graham Bell, project liaison for PEN. The agents will have rapid access to the expertise of Penn State's extension faculty and the most up-to-date agricultural information.

A prime example of the usefulness of PEN occurred a few weeks ago during the Salmonella outbreak in the Midwest.

When Pennsylvania residents swamped their county extension offices with calls about the problem, the local home economists were prepared to answer the public's questions. Through the PEN system, a public statement and a seven-page background report had reached

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Secretary-designate pledges to continue ag promotion

BY JAMES H. EVERHART

HARRISBURG — The man nominated to guide the state's agricultural policy over the next 19 months says he hopes to continue the emphasis on promotion and marketing established in the first six years of the Thornburgh Administration.

"I think the secretary's job is to promote and market Pennsylvania agriculture," said Richard E. Grubb, senior vice president for administration at Penn State University. "We have to capitalize on markets that are available and not being exploited."

Grubb was nominated as state agriculture secretary Wednesday by Governor Dick Thornburgh. His appointment will have to be confirmed by the state Senate before he can take office.

The nominee had kind words for outgoing secretary Penrose Hallowell, who resigned last month after his conviction on a shoplifting charge in Montgomery County.

"He did a good job in promoting Pennsylvania agriculture," Grubb said of Hallowell. "He was even looking at foreign markets."

Grubb also said he thought Hallowell had left the department in relatively good shape.

"It's a very good department, with excellent scientists, excellent administrators, excellent people," he said. "He also left no major brushfires burning."

Other than his remarks about marketing, the nominee offered few comments about the eventual direction of the department under his guidance, preferring, he said, to wait until "I'm on the inside."

Grubb, who has two agriculture degrees from Penn State, has held several administrative posts during his 24-year academic career in State College. He was recently chosen one of eight national 4-H Alumni Award winners.

"His background in agriculture and years of management experience make him a sound choice to head this department," Thornburgh said in announcing the nomination.

Grubb still lives on the Centre County farmstead where he was raised. He specialized in agricultural economics at the university, earning his bachelor's and master's degrees in that discipline, and later went on to earn a doctorate in higher education.

At Penn State, he also served as vice president for administrative services and secretary to the board of trustees from 1971 to 1979, administrative assistant in the office of the president from 1966 to 1970, deputy assistant director for continuing education from 1965 to 1966 and conference coordinator from 1961 to 1965.

Grubb will remain as an ex-officio member of the Penn State board of trustees. He will be on unpaid leave from the administration during his tenure in the Thornburgh Administration, officials said.

Egg industry regroups

BY JACK HUBLEY

WASHINGTON, D.C. — Efforts by egg producers to regulate their own industry remain derailed this month following the Department of Agriculture's rejection of the proposed egg marketing order

Following 2½ years of development by United Egg Producers' (UEP) marketing order committee, the order was stonewalled on April 23, when USDA Agricultural Marketing Service (AMS) administrator James Handley informed All-Industry Task Force chairman Ed Houston that the agency had a number of fundamental objections to the proposal.

According to UEP committee chairman Gerald Weber, the order's final draft contains three main provisions·

1 Research and Promotion — The order would establish a mandatory one cent-per-dozen nonrefundable checkoff for advertising, promotion and research.

2.Surplus removal — Producers would be assessed ¼-cent per dozen to fund removal of surplus hens from the market and surplus eggs intended for export only.

3.Quantity Control — Producers would receive an allotment based on their historical egg production. A producer could not exceed his allotment until the entire market for the product increased.

USDA's major objection dealt with this latter provision, according to AMS spokeswoman Jan Lockard, who noted the current administration's market-oriented philosophy with respect to all

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Next month is Dairy Month

Once again, Lancaster Farming will devote a special issue and a month of intensive coverage to the dairy industry, in honor of National Dairy Month.

We'll look at what goes into dairying, and try to help dairymen find their way in the troubled realities of the Eighties.

Anyone who would like to submit a story idea or news release for dairy month should contact the Lancaster Farming News Department by May 20.

The deadline to reserve space for advertising is May 24. For more information on news or advertising, contact us at (717) 394-3047 or 626-1164.

House Ag Committee to get advice from area farmers

WASHINGTON — Pennsylvania and Maryland farmers will have their chance to tell the U.S. Congress what's on their minds, Monday, when a House Agriculture subcommittee takes public testimony in Westminster, MD.

The House Subcommittee on Conservation, Credit and Rural Development will hold a field hearing at the Carroll County Agricultural Center in Westminster, beginning at 2:30 p.m.

Committee staffer Jim Johnson said the committee will focus on credit and soil conservation issues during its three-hour hearings.

Although the committee will accept comments from the audience, most of the allotted time is committed to Maryland and Pennsylvania officials, farm organizations and interest groups.

The list of Pennsylvania officials scheduled to offer testimony includes David Ball, representing the state Association of Conservation District Directors; George Stambaugh, director and treasurer of Eastern Milk Producers; Melvin Durbrauw, an administrator with Pennsylvania Farmers Association; Cheryl Cook, communications coordinator for the Pennsylvania Farmers Union.

Also, Geary Huntsberger, director of Dauphin Deposit National Bank; Art McAllister, president of the Pennsylvania Inland Fertilizers Association; Marlin Flaharty, owner-operator of a feed operation in Delta, York County; and farmers Paul McPherson of New Park and Ralph MacGregor of East Berlin.

Heading the list of officials representing the state of Maryland will be Secretary of Agriculture Wayne A. Cawley; G. Wallace Caulk, Maryland state director of the Farmers Home Ad-

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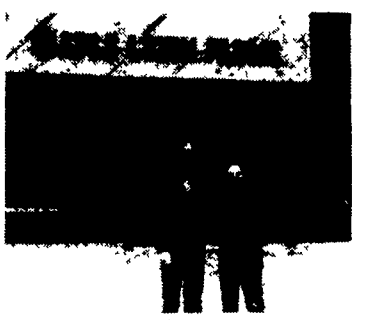
INSIDE this issue

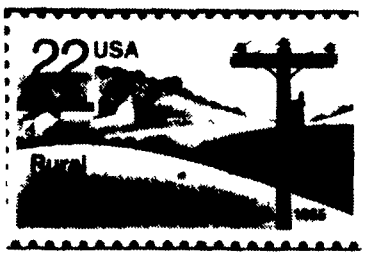
Sweating details



Paul and Gail McPherson, successful New Park grain and fruit growers, think success comes from paying attention to "boring details." Turn to page A20 for more on Paul and Gail and their interesting operation

Rural Electrification

Can you imagine life without electricity? In rural America, the way was paved by the Rural Electrification Administration, which celebrates its 50th anniversary today. For more on the local co-ops which helped light up the countryside, turn to page B2



Livestock market and auction news

Lancaster Market

Monday, May 6
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	Goats
Today	1505	118	502	679	
Last Monday	1505	106	918	501	
Last Year	1990	97	953	618	
Monday's Auction	1538	121	467	548	225
Last Monday's Auction	1506	107	898	459	189

CATTLE: Compared to last Wednesday slaughter steers mostly steady, instances 1.00 lower on 1350-1550 lb.; heifers 1.00-2.00 lower than last Monday; cows 1.00-1.50 higher; bullocks 50-1.00 higher; bulls mostly steady. Supply included 80% slaughter steers, 9% heifers, 4% cows, and 7% bulls.

SLAUGHTER STEERS: High Choice and Prime 2-4 1200-1370 lb. 54.50-56.75, couple lots 3-4 1325-1410 lb. 49.00-53.00; Choice 2-3 1050-1300 lb. 55.00-57.00; Choice 3-4 1150-1380 lb. 52.00-55.00, 1400-1475 lb. 50.25-52.25, few 3-5 1400-1630 lb. 49.00-50.50; high Good and low Choice 2-3 1050-1200 lb. 52.00-55.00; Good and Choice 1280-1525 lb. Holsteins 45.25-48.00, few Choice 48.00-49.75, couple lots Standard 1100-1350 lb. 43.00-44.50.

SLAUGHTER HEIFERS: Choice 2-3 900-1150 lb. 48.00-53.00, few Choice 2 53.50-56.00; Choice 3-4 1100-1250 lb. 46.00-51.00; Good 2-3 900-1150 lb. 45.00-48.00.

COWS: Breaking Utility and Commercial 2-4 41.50-43.00, few 43.00-43.50; Cutter and Boning Utility 1-3 39.50-41.50; Canner and low Cutter 37.00-39.00, few 36.00-37.00.

BULLOCKS: Choice 2-3 1050-1400 lb. 50.00-51.50, few head 52.50-55.75; Good 1-2 950-1250 lb. 45.00-49.00.

BULLS: Yield grade 1 1280-1900 lb. 50.00-53.50, few 53.50-54.25; yield grade 2 1000-1450 lb. 46.00-49.75.

VEAL CALVES: Vealers fully steady; slaughter calves firm to 5.00 higher. Demand good for Holstein bulls to return to farm. Supply included one lot Prime special fed 385 lb. bought to arrive at 120.00.

VEALERS: High Choice and Prime 280-350 lb. 100.00-115.00; Choice 180-250 lb. 85.00-100.00; high Good and low Choice 160-320 lb. 75.00-85.00, 120-160 lb. 60.00-75.00, 80-115 lb. 50.00-60.00.

SLAUGHTER CALVES: Good and Choice 280-350 lb. 60.00-70.00, few to 75.00.

RETURNED TO FARM: Small supply 95-120 lb. Holstein bulls 70.00-80.00.

SHEEP: Slaughter lambs mostly steady; slaughter ewes steady.

SLAUGHTER LAMBS: Choice and Prime 80-110 lb. spring lambs 75.00-80.00, few 80.00-85.00; Choice 50-70 lb. 70.00-85.00, 20-50 lb. 75.00-100.00; Good 20-50 lb. 50.00-70.00. Choice and Prime 70-100 lb. wooled lambs 65.00-75.00, Good 60.00-65.00.

SLAUGHTER EWES: Utility and Good 15.00-30.00, several mostly Good yearlings 45.00-55.00.

GOATS: All goats sold by the head, firm to 5.00 higher; large mature 50.00-60.00, medium 40.00-50.00, small 30.00-40.00; few kids 15.00-25.00.

Vintage Market

Tuesday, May 7
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1517	643	25	3
Last Tuesday	1323	698	21	4
Last Year	1720	755	41	2

CATTLE: Compared to last Tuesday slaughter steers 1.00-2.00 lower, instances 3.00 lower; slaughter heifers not well established; cows fully steady; bulls not fully tested. Supply included 79 percent slaughter steers and 18 percent cows.

SLAUGHTER STEERS: High Choice and Prime 2-4 1200-1425 lb. 52.75-56.50, few to 57.00; few Choice 1-2 56.00-59.75; Choice 2-3 few 4 1125-1350 lb. 51.00-55.50; Choice 3-4 1300-1500 lb. 50.00-52.50; few Choice and Prime 3-5 1350-1600 lb. 47.00-51.00; high Good and low Choice 2-3 1100-1400 lb. 49.25-53.00; few Good 2-3 1050-1225 lb. 48.00-52.00; Good and Choice 1150-1450 lb. Holsteins 45.00-49.25.

SLAUGHTER HEIFERS: Few Choice 2-4 1050-1225 lb. 50.00-54.35.

COWS: Breaking Utility and Commercial 2-4 40.00-43.00, few high dressing to 46.75; Cutter and Boning Utility 1-3 38.50-42.00; Canner and low Cutter 35.00-39.00, low dressing down to 32.25.

BULLS: Few head yield grade 1-2 1250-1505 lb. 43.60-48.35.

VEAL CALVES: Vealers firm. Supply included 537 in graded sale.

VEALERS: High Good and low Choice 150-320 lb. 67.00-85.00, 120-140 lb. 58.00-86.00, 80-110 lb. 52.50-64.00, 60-80 lb. 42.00-56.00.

RETURNED TO FARM: Mostly Large frame 1-2 Holsteins 80-123 lb. 60.00-90.00.

SHEEP: Insufficient volume for a test.

GOATS: Insufficient volume for a test.

Lancaster Auction

Wednesday, May 8
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	820	12	535	1
Last Wednesday	815	10	444	0
Last Year	428	15	483	0
Wednesday's Auction	602	12	435	0
Last Wednesday's Auction	772	10	427	0

CATTLE: Compared to Monday slaughter steers weak to 1.00 lower; slaughter heifers not tested; cows and bulls about steady. Supply included 95 percent slaughter steers.

SLAUGHTER STEERS: Choice few Prime 2-4 1100-1250 lb. 52.00-54.00; Choice and Prime 2-4 1200-1400 lb. 52.00-54.10; Choice 2-4 1200-1400 lb. 50.75-52.50, Choice few Prime 2-4 49.25-51.60; Choice and Prime 3-4 1300-1625 lb. 47.10-50.50; Good and Choice 1-2 Holsteins 1175-1450 lb. 45.00-48.00; two lots Medium and Large Frame #1 with mostly Choice slaughter flesh 1015-1125 lb. 45.00-48.00.

COWS: Cutter and Boning Utility 1-3 38.00-41.50; Canner and Cutter 36.00-38.75.

BULLS: Few yield grade 1-2 1160-1615 lb. 45.75-49.00.

VEAL CALVES: Insufficient volume for a market test.

SHEEP: No market test.

New Holland Livestock

Thursday, May 9

	Cattle	Calves	Sheep	Goats
Today	1422	481	27	42
Last Thurs.	1405	487	99	71
Last Year	1903	514	131	25

CATTLE: Compared to Last Thursday: Slaughter steers fully steady. Slaughter heifers not tested. Slaughter cows 50-1.00 higher. Slaughter bulls steady. Supply included about 76 percent slaughter steers and about 20 percent slaughter cows.

SLAUGHTER STEERS: High-Choice & Prime 2-4 1100-1350 lbs. 54.00-55.50 with individuals to 56.85; 3-4 1350-1600 lbs. 51.00-54.35. Choice 2-4 1050-1350 lbs. 53.00-55.00, few 55.50-57.00; 3-4 1350-1500 lbs. 50.00-54.00, few 54.25-54.75. Good and low-Choice 2-4 1100-1400 lbs. 48.00-53.00. Good and Choice 1-3 holstein 1230-1680 lb. 45.25-49.25.

SLAUGHTER COWS: Breaking Utility & Commercial 2-4 39.75-45.00, high-dressing individuals to 47.25. Cutter and boning-Utility 1-3 38.00-41.50, high-dressing individuals to 43.25. Canner and low-Cutter 1-3 35.50-39.00, low-dressing down to 32.00.

SLAUGHTER BULLS: Few 1-2 1250-1875 45.00-49.75.

VEAL CALVES: Vealers firm to 5.00 higher.

VEALERS: High-Choice & Prime 245-350 lbs. 103.00-117.00. Good and Choice 165-350 lbs. 85.00-96.00; few 350-410 lb. 66.00-85.00; 120-160 lb. 76.00-88.00; 80-110 lb. 48.00-59.00; few 60-80 lb. 40.00-46.00.

RETURNED TO FARM: Few Large frame mostly 2 80-120 lb. holstein bulls 70.00-95.00.

SHEEP: Insufficient numbers for a test.

SPRING LAMBS: Choice 30-60 lb. 88.00-124.00.

SLAUGHTER EWES: Few Utility and Good 11.00-21.00.

GOATS: Large nanny goats 29.00-59.00. large billy goats 48.00-92.00; medium 32.00-54.00; small 18.00-35.00.

Lancaster County Weekly

Friday, May 10
Report Supplied by PDA

	Cattle	Calves
This Week	6000	1260
Last Week	5189	1301
Last Year	6195	1414

CATTLE: Sl. steers steady to 1.00 lower, sl. heifers 1.00-2.00 lower, cows 1.00-1.50 higher, bullocks .50-1.00 higher, bulls steady. Supply included 68 per cent sl. steers, 3 per cent sl. heifers, 11 per cent cows, 3 per cent bulls, balance feeders.

SL. STEERS: High Choice & Prime 2-4 1100-1350 lbs. 52.00-56.85, 1350-1600 lbs. 47.00-53.00, Choice 2-4 1050-1350 lbs. 51.00-57.00, 3-5 1300-1600 lbs. 47.00-54.00. Good and Choice 2-4 1100-1400 lbs. 48.00-53.00, Good and Choice 1-3 Holsteins 1150-1680 lbs. 45.00-49.75, Standard 1100-1350 lbs. 43.00-44.50.

SLAUGHTER HEIFERS: Choice 2-4 900-1225 lbs. 48.00-54.35, Choice 2 53.50-56.00, Choice 3-4 1100-1250 lbs. 46.00-51.00, Good 2-3 900-1150 lbs. 45.00-48.00.

COWS: Breaking Utility & Commercial 2-4 39.75-45.00, few High Dressing individual to 47.25, Cutter & Bonining Utility 1-3 38.00-42.00, Canner & Cutter 35.00-39.00, Low Dressing down to 32.00.

BULLOCKS: Choice 2-3 1050-1400 lbs. 50.00-51.50, few to 55.75, Good 2-3 950-1250 lbs. 45.00-49.00.

BULLS: Yield Grade 1-2 1150-1900 lbs. 43.50-49.00, high dressing ind. to 53.50.

VEAL CALVES: Vealers steady to 5.00 higher. Vealers Choice & Prime 245-350 lbs. 100.00-117.00, Choice 180-250 lbs. 85.00-100.00, Good & Choice 160-350 lbs. 75.00-96.00, 120-160 lbs. 60.00-88.00, 80-115 lbs. 48.00-60.00, 60-80 lbs. 40.00-46.00.

RETURN TO FARM: Large Frame 1-2 holsteins 80-120 lbs. 60.00-95.00.

Chambersburg Livestock

Chambersburg, Pa.
Thursday, May 9
Report Supplied by PDA

CATTLE: 195. Compared with last week's market: Sl. cows steady to 1.00 higher. Sl. steers: couple low Choice 54.35-54.75, few Good 47.60-53.00, few Standard 45.50-46.50. Sl. heifers: few Choice 52.75-54.60. Sl. cows: Breaking Utility & Commercial 39.85-44.60, Cutter and Boning Utility 39.00-41.60, Canner & low Cutter 35.50-38.75. Sl. bulls: few Yield Grade 1 1000-1560 lbs. 44.00-49.00.

FEEDER CATTLE: Few Large Frame 2 460-700 lb. steers 48.50-58.50.

CALVES: 292. Few Choice vealers 84.00-90.00, few Good 65.00-79.00, few Standard & Good 110-120 lbs. 60.00-62.00, 70-105 lbs. 50.00-60.00.

FARM CALVES: hol. bulls 90-100 lbs. 58.00-75.00, 110-125 lbs. 75.00-90.00; Hol. Heifers 90-115 lbs. 57.00-63.00.

HOGS: 46. Couple lots US 1-2 225 lbs. 43.35 and 43.60. Sows few 1-3 340-625 lbs. 33.00-40.50.

FEEDER PIGS: 11. Lot US 1-3 150 lbs. at 54.00.

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1:00 P.M. —Feeder Pigs
WEDNESDAY
8:00 A.M. —Slaughter Hogs
10:00 A M —Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M —Veal Calves, Lambs
FRIDAY
11:00 A.M. —Stocker and Feeder Cattle
SATURDAY
8:00 A.M. —Slaughter Hogs

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HOG MARKETS

Lancaster Hogs

Lancaster Stockyards
Monday, May 6
Report supplied by USDA

HOGS: Compared to last Wednesday barrows and gilts steady to 25 higher; sows uneven 300-500 lb. 50-1.00 higher, 500-650 lb. 1.00-2.00 lower.

BARROWS AND GILTS: US 1-2 210-245 lb. 43.25-43.75. US 1 210-245 lb. 44.25-45.25. US 1-3 200-250 lb. 42.00-43.00. US 3-4 230-260 lb. 41.50-42.00.

SOWS: US 1-2 300-500 lb. 33.75-36.50. US 1-3 500-650 lb. 35.00-40.00.

Tuesday, May 7

Today	154
Last Tuesday	318
Last Year	151

TREND: Compared to Monday barrows and gilts steady to 50 lower.

BARROWS AND GILTS: US 1-2 210-245 lb. 43.00-44.00, Few 44.00-44.50. US 1-3 210-250 lb. 42.00-43.00.

Wednesday, May 8

HOGS: Compared to Tuesday barrows and gilts mostly steady.

BARROWS AND GILTS: US 1-2 210-250 lb. 43.00-44.00, few to 44.50. US 1-3 210-250 lb. 41.75-43.00.

SOWS: US 1-2 Few head 300-500 lb. 32.00-37.00.

Lancaster Feeder Pigs

Tuesday, May 7
Report supplied by USDA

Today	667
Last Tuesday	773
Last Year	1019

TREND: Compared to last Tuesday feeder pigs steady to weak. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 64 head 30-39 lbs. 94.50-105.00; 264 head 40-49 lbs. 84.00-93.50; 79 head 50-55 lbs. 71.00-89.00.

US 2: 21 head 20-24 lbs. 124.00; 64 head 30-38 lbs. 100.00-103.00; 30 head 41-49 lbs. 90.50-94.00; 48 head 51-59 lbs. 75.00-79.00.

US 2-3: 22 head 18-29 lbs. 96.00-118.00; 3 head 35 lbs. 101.00; 8 head 41-48 lbs. 76.00-90.00.

New Holland Feeder Pigs

New Holland, Pa.
Wednesday, May 8
Report supplied by USDA

Today	862
Last Wednesday	836
Last Year	663

Trend: Compared to last Wednesday feeder pigs generally steady. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 22-29 lb. 102.00-130.00; 34-39 lb. 90.00-98.00; 41-49 lb. 76.00-88.00; 50-58 lb. 70.00-83.00; 60-68 lbs. 70.00-73.00; Few 70-74 lbs. 67.00-72.00.

US 2-3: Few 34-39 lb. 84.00-90.00; 44-51 lb. 65.00-70.00.

New Holland Hogs

New Holland Sales Stables
Monday, May 6
Report supplied by USDA

Today	1334
Last Monday	1678
Last Year	1635

TREND: Compared to last Monday barrows and gilts mostly steady, instances 1.00 lower on US 3-4 255-570 lb.

BARROWS AND GILTS: US 1-2 210-245 lb. 42.00-42.75.

US 1 210-245 lb. 43.50-43.75, Couple lots 46.00.

US 1-3 200-250 lbs. 41.00-41.75.

US 3-4 255-270 lb. 36.00-39.85.

Indianapolis Hogs

Thursday, May 9
Report supplied by USDA

500. Barrows and gilts moderately active; under 255 lb. 75 higher; over 255 lb. firm-50 higher.

BARROWS AND GILTS: US 1-3 220-255 lb. 43.25-43.75. US 2-4 Few 260-270 lb. 41.00-42.50.

SOWS: Scarce.

BOARS: Scarce.

St. Louis Hogs

Thursday, May 9
Report supplied by USDA

4000. Barrows & gilts moderately active, 25 to mostly 50 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 42.00-42.50; US 1-3 200-220 lb. 41.00-41.50; 220-260 lb. 41.50-42.00.

SOWS: Under 500 lb. steady-50 higher; over 500 lb. 1.00 higher. (About 10%) US 1-2 300-500 lb. 36.50-37.00; US 1-3 over 500 lb. 38.00-40.00.

BOARS: Over 300 lb. 35.00; under 300 lb. 33.50-34.00.

Peoria Hogs

Thursday, May 9
Report supplied by USDA

2000. Barrows & gilts moderate, fully 50-1.00 higher.

BARROWS AND GILTS: US 1-2 200-250 lb. 42.50-43.00, 60 head 43.25-43.50. US 1-3 200-250 lb. 42.00-42.50.

SOWS: Under 500 lb. mostly steady, instances 50 higher; over 500 lb. steady to 50 lower. (13%). US 1-2 350-500 lb. 36.50-37.00; US 1-3 500-650 lb. 37.50-38.00.

BOARS: Over 350 lb. 35.00; under 350 lb. 33.50-34.50.

Westminster Livestock Auction

Westminster, Pa.
Tuesday, May 7
Report supplied by auction

SLAUGHTER COWS: Steady to 50 cents Higher. High Yield 10 Hd. Hol. 1400-1800 lb. 40.00-43.50; Utility 39.00-42.50; Canners 36.00-39.00; Shelly 35.00 down. Bulls-Steady. Medium 45.00-47.25. Fed Steers- $1.00 lower. Few Choice to 53.75; Good Hol. 46.00-49.00; Standard 42.00-46.00. Fed Heifers-Choice 52.00-54.50; Good 47.00-50.00. Veal Calves- Few 300-370 lb. 76.00-83.00. Good-Choice 150-250 lb. 69.00-80.00; Standard 60.00-70.00. Killers- 80-110 lb. 50.00-56.00. Weak 40.00 down. Farm Calves- 5.00. Higher Holstein Bulls 100-125 lb. 69.00-80.00; 90-100 lb. 58.00-72.00; Hol. Heifers 100-110 lb. few 64.00; Beef Type Calves 80-110 lb. 65.00-75.00. Butcher Hogs- 50 cents Higher. US #1 & 3 215-240 lb. 41.00-41.75; 240-260 lb. 39.75-40.25; 1 Lot 193 Lb. At 38.00. Sows- $2.00 Lower. 550-650 lb. 38.50-39.50; 400-550 lb. 34.00-38.00.

STOCK CATTLE: Smaller Run Strong Demand For Steers. Steers-300-500 lb. Choice 66.00-71.00; Good 58.00-65.00; 5 Hd. 500-550 lb. 78.00; 2 Hd. 680 lb. 81.00; Balance 500-700 lb. 62.00-69.00; 700-850 lb. 59.00-65.00. Heifers- 300-500 lb. Fancy 61.00-69.00; Choice 53.00-59.00; Good 47.00-53.00; 500-700 lb. Choice 49.00-52.00; Good 45.00-49.00. Bulls-Scarce. Bulk 500-700 lb. Good to 54.00; Medium 43.00-50.00. Spring Lambs- 40 Hd. Few Choice 80-100 lb. 74.00-80.00; 60-80 lb. 60.00-69.00; 30-60 lb. 70.00-85.00; Yearlings 30.00-40.00; Sheep- 10 Hd 16.00-25.00. Goats- By Head. Mature 30.00-45.00; Some 50.00-58.00; Kids 19.0o0-24.00. Pigs & Shoats- 80 Hd. Steady Prices. 25-30 lb. 29.00-36.00; 35-45 lb. 35.00-43.50; 70-90 lb. 45.00-51.50. By The Lb. 1 Lot 160 lb. at 42.00. Stock Boars 200 lb. 29.00-31.50. Boars- 500-700 lb. to 30.50; 250-400 lb. 29.25-31.00.

Hay 15 Loads

Alfalfa $66-81 a ton, Timothy $80-91 a ton, Clover $57 a ton, Mixed Hay $63-83 a ton.

NEXT WEEK WILL BE OUR LAST SPECIAL ADVERTISIED FEEDER CATTLE SALE FOR THIS SPRING. Many people are still looking for Feeders. This sale will be advertised in the newspapers. If you have cattle, bring them where the BIDDING ACTION is.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock

	CATTLE	CALVES	HOGS	SHEEP
Week To Date (Est.)	506,000	46,000	1,318,000	86,000
Same Pd. Lt. Wk. (Est.)	512,000	48,000	1,321,000	90,000
Same Pd. Lt. Yr. (Act)	525,000	41,000	1,315,000	103,000

Chicago Grain Futures

(Closing Bids as of Thursday, May 9)

Mo.	Corn	Wheat	Soybeans	Soybean Meal
May	2.80	3.40	5.82¼	123.50
July	2.78	3.23½	5.85¾	128.20
Aug.			5.87¼	131.20
Sept.	2.69	3.23	5.87¾	134.00
Nov.			5.95¾	
Dec.	2.65½	3.34½		142.10
Jan.'86			6.06	144.20
Mar.'86	2.73¾	3.39	6.17	148.50
May '86	2.79	3.34	6.25½	152.70

Trends - Corn - Weaker; Soybeans - Weaker; Wheat - Weaker; Soybean Meal - Weaker.

Futures Trading

(Closing Bids as of Thursday, May 9)

Mo.	Chicago Cattle	Chicago Hogs	NY Maine Potatoes
May			3.32
June	62.40	45.95	
July		48.30	
Aug.	63.72	48.37	
Oct.	62.50	45.72	
Nov.			3.27
Dec.	63.80	47.02	
Feb. 86'	64.50	48.20	
Apr. 86'	65.50	45.30	
June. 86' 66.75			

Trends - Cattle - Stronger; Hogs - Stronger.

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Now you have a choice of marketing your fat hogs on any one of 4 days a week through Walter M. Dunlap and Sons.

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For market information contact Ken Smoker or Ollie Nagle at 717-397-5136.

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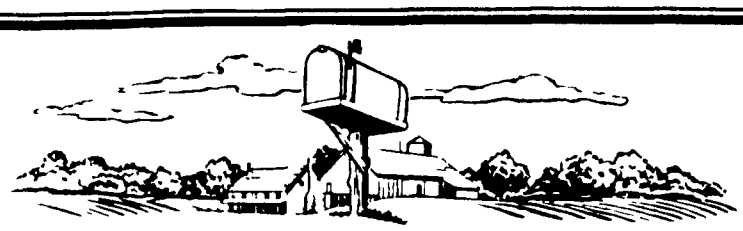

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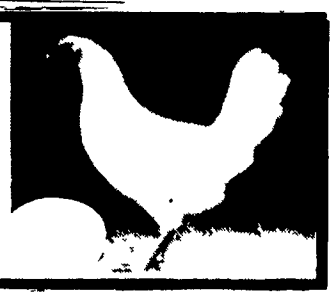
POULTRY MARKETS



Weekly New York Egg Market National Quotes

From Friday, May 3 to Thursday, May 9

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	.72	.72	.72	.72	.72
Ex. Large	.62	.62	.62	.62	.62
Large	.60	.60	.60	.60	.60
Medium	.55	.55	.53	.53	.50
Pullets	.47	.47	.47	.47	.43
Off Grade	.54	.54	.54	.54	.54
BROWN					
Jumbo	—	—	—	—	—
Ex. Large	.74	.74	.74	.74	.74
Large	.71	.71	.71	.71	.71
Mediums	.60	.60	.60	.60	.60
Pullets Unquoted					
Peewees Unquoted					
Off Grade					
Undergrades	.30	.30	.30	.30	.30
Checks	.28	.28	.28	.28	.28

Northeast Breaking Stocks

Friday 35.00-38.00.

Heinsey's Poultry Market

Root's, East Petersburg
Thursday, May 9
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range 1.60-1.72 per lb.
MUSCOVY DUCKS, HENS: range 1.50-1.64 per lb.
PEKIN DUCKS: range .60-.82 per lb.
RED FOWL: 4-5 lbs. range .36-.52 per lb.
RED FOWL: 5-7 lbs. range .40-.64 per lb.
CROSSBRED FOWL: 5-10 lbs. range .20-.52 per lb.
CROSSBRED ROOSTERS: 4-6 lbs. range .50-.72 per lb.
CROSSBRED ROOSTERS: 7-11 lbs. range .30-.64 per lb.
GUINEA FOWL: range 1.50-1.65 per lb.
BANTY ROOSTERS: range 2.50-3.75 ea.
BANTY HENS: range 1.50-2.85 ea.
LEGHORN HENS: .20-.28 per lb.
GEESE: 8-14 lbs. range .36-.64 per lb.
TURKEYS: 23-43 lbs. range .28-.64 per lb.
PIGEONS: range 1.50-2.00 ea.
WHITE PIGEONS: range 3.00-3.50 ea.
SILKIES: range 5.00-7.00 ea.
DOVES: 3.00-4.50 ea.
FEW WHITE RABBITS: 4-6 lbs. 1.30-1.66 per lb.
RABBITS: 4-6 lbs. range .90-1.38 per lb.
RABBITS: 7-11 lbs. range .60-1.00 per lb.
BUNNIES: .75-3.50 per lb.
GUINEA PIGS: range .10-4.00.
GOATS: range 22.00-60.00 ea.
KID GOATS: range 15.00-31.00 ea.
Total Number Coops: 879.

N.E. Weekly Shell Egg Report

Tuesday, May 7
Report Supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS. X	.82-.84	.80-.82	.67-.69	.51-.53
Mostly	.84	.82	.69	.53
N. HAMP.	.70-.74	.66-.70	.58-.62	.40-.44
Mostly	.72-.73	.68-.69	.60-.61	.42-.43
R.I.	.72-.77	.68-.73	.61-.65	.42-.47
Mostly	.72-.74	.68-.70	.61-.62	.42-.44
VERMONT	.85-.88	.79-.85	.69-.74	
Mostly	.85	.81	.73	
MAINE	.77-.84	.72-.80	.65-.72	.47-.54.

X Includes Central and Western Sections only.

Eastern Pa. & N.J. Poultry

Wednesday, May 8
Report supplied by USDA

Market Comment: Activity increased, and plants running near normal schedules. Next week's offerings light to adequate and noted as less firmly held. Few heavies noted at 23-25 cents current week delivery, 22-24 cents next week.

Prices Paid at Farm:

Light Type Hens: .14-.16½, mostly .15-.15½.

F.O.B. Plant: .17-.18.

Philadelphia Eggs

Thursday, May 9
Report supplied by USDA

Market Comment: Prices were lower on mediums while remaining unchanged on other sizes. Trade sentiment barely steady to mostly weak. Cartoned egg demand was fair at best with present spotty retail featuring generally the most movement. Supplies were adequate for current needs.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .57-.59; A Large .56-.58; A Medium .48-.52.

Delmarva Poultry

Thursday, May 9
Report supplied by USDA

Market Comment: Movement of ready to cook whole birds was light to fair and unaggressive. Demand for parts had slowed on legs and leg quarters, but other items continued to move fairly well.

Live supplies were fully adequate, Weights were in a full range at mostly desirable to heavy. Slaughter schedules were light overall with an occasional plant not operating. Undertone steady.

Today's L.T.L. asking prices were unchanged on U.S. Grade A at 50-56 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 5/9 1,792,000; Actual 5/2 2,186,000; Actual 5/7 2,015,000; Average Weights 5/7 4.22; Average Weights 4/30 4.38.

New York Multiple Drop Broiler Report

Thursday, May 9
Report supplied by USDA

Current broiler-fryer negotiated prices for immediate delivery includes mostly multiple drop shipments to New York City from Delmarva.

Range: U.S. Grade A .49½-.56.

Weighted AVG.: U.S. Grade A 53.70.

Premium (X) Boxes 10,697.

(X) Includes special services, selected competitive brands, etc.

Hackettstown Poultry & Egg

Hackettstown, N.J.
Wednesday, April 30
Report Supplied by Auction

Heavy Fowl: .30-.90.
Leghorn Fowl: .20-.55.
Bantams: .35-1.00.
Medium Broilers: .50-.65.
Roosters: 1.00-4.00.
Geese: .50-.95
Turkey Toms: .40-1.05.
Ducks: 1.05-2.50.
Rabbits: .80-2.00.
Pigeons: 2.00-3.50.
Guineas: 1.30-1.85.

Eggs

Grade A: White Jumbo X Lge. .49-.75, Brown .60-.79.

Grade A: White Large .60-.62, Brown .45-.59.

Grade A: White Medium .30-.55, Brown .46.

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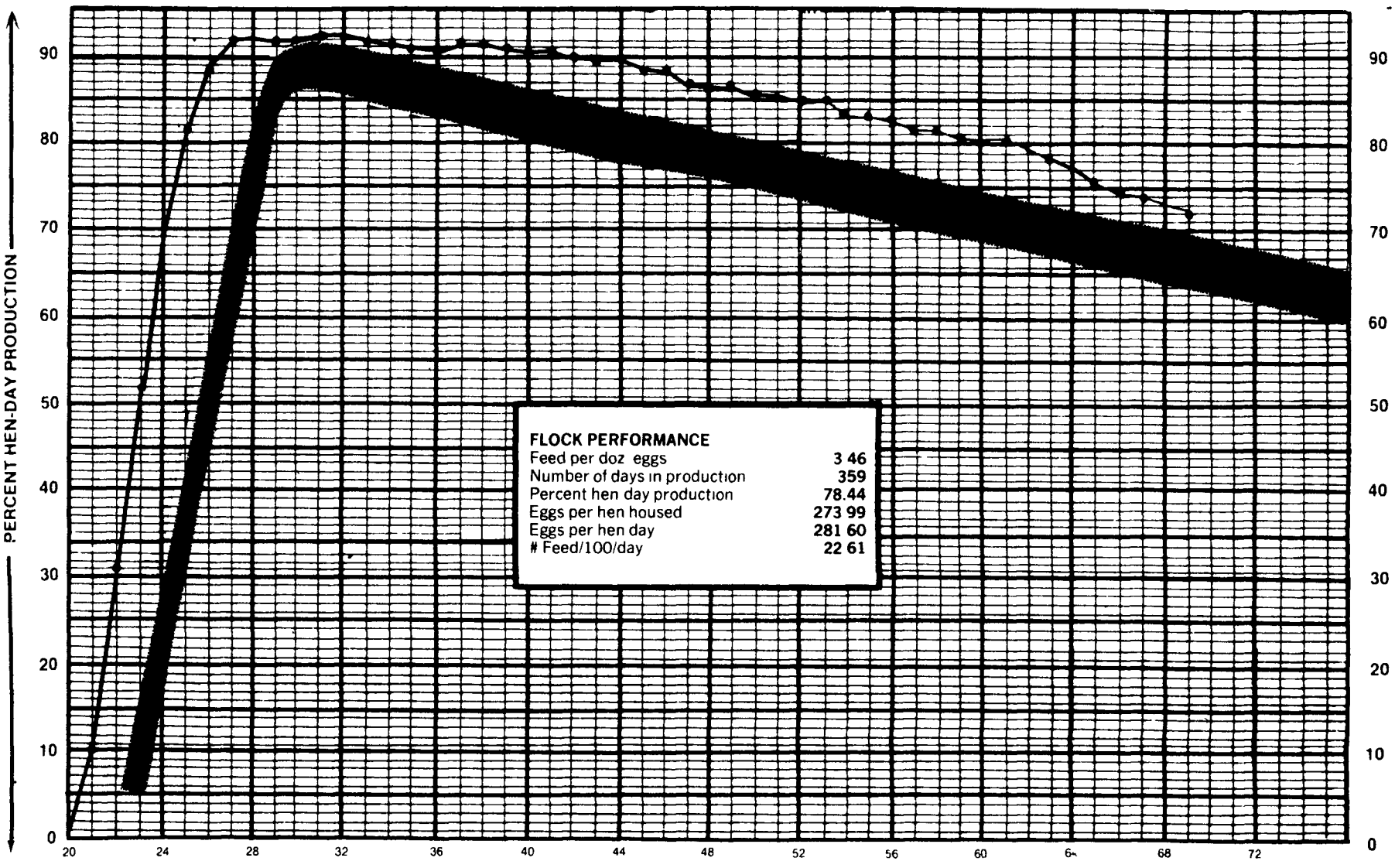

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HAY MARKETS

Regional Hay
Friday, May 3
Report supplied by PDA

(All Hay #2 and better, prices paid by dealers at the farm and per ton.)

Hay slow, steady to weak, Straw steady.

Alfalfa 65.00-95.00; Mixed Hay 40.00-80.00; Timothy Hay 50.00-70.00; Straw 50.00-80.00; Mulch 25.00-30.00.

Green Dragon Hay
Friday, May 3
Report supplied by PDA

54 Loads Hay, 10 Straw and 7 Ear Corn.

Alfalfa 70.00-110, few to 161.00; Mixed Hay 47.00-130, mostly 55.00-111; Timothy hay 2 loads 70.00 & 81.00; Brome Grass one load 65.00; Orchard Grass one load 54.00; Straw 67.00-95, one load 119.00; Ear Corn 89.00-92, one load 80.00.

Dewart Livestock Auction
Dewart, Pa.
Monday, April 29
Report supplied by PDA

25 Loads Hay and 2 Straw.

Alfalfa 71.00-87.00; Mixed hay 58.00-64.00, one load 75.00; Straw at 72.00.

Belleville Livestock Auction
Belleville, Pa.
Wednesday, May 1
Report supplied by PDA

30 Loads Hay, 5 Straw.

Alfalfa 70.00-87.50; Mixed hay 40.00-80.00; Timothy hay few 40.00-67.50; Straw 72.50-77.50, one load at 45.00.

Good's Auction
Leola, Pa.
Wednesday, May 1
Report supplied by PDA

65 Loads Hay, 18 Straw and 5 Ear Corn.

Alfalfa 60.00-138.00, mostly 80.00-114.00; Mixed hay 40.00-126.00, mostly 52.00-99.00; Timothy hay 53.00-121.00, mostly 82.00-96.00; Straw 52.00-125.00, mostly 64.00-100.00, Ear Corn 90.00-105.00; Corn Fodder one load 50.00.

New Holland Hay
New Holland Sales Stables
Monday, May 6
Report supplied by auction

156 lds. Alfalfa 63.00-130.00; Mixed Hay 54.00-120.00; Timothy 56.00-103.00; Clover 65.00-70.00; Stubble Hay 35.00-89.00; Soybean Stems 41.00; Straw 60.00-102.00; Ear Corn 81.00-90.00; Oats 2.05-2.50 bu.

Good's Hay
Leola, Pa.
Wednesday, May 8
Report supplied by auction

76 lds.

Mixed Hay, 69.00-134.00; Straw 63.00-85.00; Alfalfa 45.00-116.00; Corn 78.00-90.00; Timothy 56.00-102.00; Corn Fodder 46.00. Oats 2.45 bu.

Hay Auction
Tues., May 7
Kirkwood, Pa.

28 loads. Alfalfa & alfalfa mixed 40.00-142.00, timothy & mixed 72.00-90.00, clover & mixed 40.00-73.00, mixed hay 50.00-69.00, straw 50.00-93.00, corn fodder 49.00, ear corn 81.00-88.00.

Keister's Hay
Keister's Middleburg Auction
Tuesday, May 7
Report supplied by auction

47 loads. Mixed Hay 35.00-110.00; Mixed Hay (Poor) 25.00-32.50; Straw 52.50-67.50; Ear Corn (1 load) 102.50; Oats (1 load) 1.70/bu.

Vintage Hay
Vintage Sales Stables
Thursday, May 9
Report supplied by auction

10 lds.

Alfalfa 52.00-93.00; Mixed Hay 70.00-80.00; Timothy 57.50.

Frederick Co. Hay and Straw
Buckeystown, Md.
Thursday, May 9
Report supplied by auction

36 loads. Market steady on hay, stronger on straw.

Alfalfa 7 loads fair to good, 90.00-135.00; 2 loads dark, 68.00-77.50; Alfalfa, mixed, 80.00; Timothy, 7 loads fair to good, 65.00-100.00; Clover, 70.00; Mixed Hay, 54.00-69.00; New Rye Hay, 60.00; Mulch, 35.00; 10 loads straw, 91.00-131.00; 3 loads locust posts, $3 each; Ear Corn, $80.00 per ton.

Pa. Grain
Monday, May 6
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central & South Central, Pa.; Corn fully steady; Wheat and Oats steady to 10 cents lower; Barley steady to weak; and Ear Corn steady to strong.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pennsylvania

Corn No. 2-y range 2.85-3.10, average 2.97, New Crop* 2.65-2.72; @Wheat No. 2 3.50-3.71, average 3.64, New Crop* 3.21-3.31; Barley No. 3 2.20-2.50, *2.00, average 2.31, New Crop* 1.70-1.90; Oats No. 2 1.85-2.15, average 2.01 New Crop* 1.40; Soybeans No. 1 range 5.65-5.80, average 5.72, New Crop* 5.62-5.69; *Gr. Sorghum #2 New Crop* 2.20; *+Buckwheat New Crop* 9.90; #Ear Corn 78.00-82.00, average 79.43.

Central Pennsylvania

Corn No. 2-y range 2.75-3.00, average 2.86; @Wheat No. 2 range 3.30-3.50, few reported 3.70, average 3.43; Barley No. 3 range 2.10-2.50, average 2.33; Oats No. 2 range 1.60-2.00, average 1.85; Soybeans No. 1 range 5.85-5.80, average 5.69; *Gr. Sorghum #2 range 2.55, average 2.55; #Ear Corn 65.00-80.00, average 71.27.

South Central Pennsylvania

Corn No. 2-y range 2.70-3.00, average 2.79; @Wheat No. 2 3.00-3.40, few reported 3.75, average 3.25; Barley No. 3 2.30-2.40, few reported 2.15, average 2.34; Oats No. 2 range 1.90-2.10, average 1.99; #Ear Corn range 66.00-77.00, average 71.88.

Western Pennsylvania

Corn No. 2-y range 2.73-2.90, average 2.82; @Wheat No. 2 range 3.10-3.45, average 3.33; Oats No. 2 1.90-2.10, few reported 1.70, average 1.93; #Ear Corn ra 60.00-70.00, average 65.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.70-3 average 2.90; @Wheat No. 2 3 3.71, average 3.46; Barley No range 2.10-2.50, average 2.32; O No. 2 range 1.75-2.15, average 1. #Ear Corn 66.00-82.00, avera 74.74.

Carroll Co. Hay
Carroll Co., Md.
Tuesday, May 7
Report supplied by auction

15 loads.

Alfalfa hay 66.00-81.00, 1.20 bal Timothy hay, 80.00-91.00; 1.60-2. bale; Clover hay, 57.00, 1.15 bal Mixed hay, 63.00-83.00, 1.00 bale.

Penns Valley Livestock
Centre Hall, Pa.
Tuesday, May 7
Report supplied by Auction

Beef Cows: Utility and Commercial 41.50-44.25; Cutters 38.50-41.00; Canners 35.00-37.50; Shells 25.00.

Heifers: Standard 44.00-46.25; Commercial 38.50-42.50.

Steers: Choice 54.10-56.50; Good 50.50-53.50; Standard 45.75-50.00.

Bulls: Good 48.25-50.75; Standard 44.00-48.00.

Feeder Cattle: 300-500 lbs. large frame 40.00-51.00; 500-700 lbs. large frame 35.00-45.00.

Veal Calves: Choice 80.00-92.00; Good 67.00-78.00; Standard 53.00-66.00; Utility 45.00-52.00.

Farm Calves: Bulls 70.00-95.00; Heifers 60.00-93.00.

Hogs: 40.25-42.75.
Sows: 34.00-38.25.
Boars: 26.25-28.00.
Lambs: 68.00-78.00.
Sheep: 14.00-18.00.

NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY

FAT HOGS

EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM

BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

12:00 NOON

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FEEDER PIG SALE
1:30 P.M.

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THURSDAY

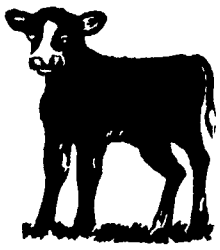
10:00 AM

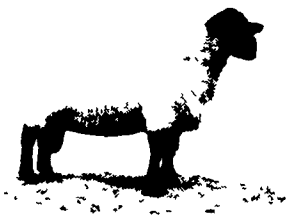
BULLS -

STEERS -
BEEF COWS

3:30 P.M.

CALVES





SHEEP
GOATS

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Livestock market and auction news

Lebanon Valley Livestock

Fredericksburg, Pa.
Tuesday, May 7
Report Supplied by PDA

CATTLE 226: Compared with last Tuesday's market, slaughter steers uneven, mostly weal to $1.75 lower; Cows steady to 50 cents, spots $1 higher; Bulls strong to $1 higher. Choice 2-4 1000-1405 lbs. slaughter steers 52-54.75, few 55.50, Good 51.75-54.10, Good & Choice holsteins 48.60-52.10, Standard 45.75-49.85, few Utility 43.00-44. Few Choice 3-4 1080-1300 lbs. slaughter heifers 51.25-55, few heiferettes 43.00-46, few Good 48-51.50, few Standard 46.00-50, few Utility 38.75-43.50. Breaking Utility & Commercial slaughter cows 41.35-43.75, few 45.00, Cutter & Boning Utility 38.75-41.25, few 41.75, Canner & Low Cutter 36.25-38.75, few down to 34.00, few Shells down to 21.00. Few Good slaughter bullocks 50.25-53.25, few 45.75-49. Yield Grade No. 1 1370-2080 lbs. slaughter bulls 49-53.75, few 54.75, few #2 1200-1440 lbs. 48-49.10.

FEEDER CATTLE: Few Large Frame #2 530-765 lbs. steers 38.50-48. Few Large Frame #2 500-850 lbs. bulls 36.50-39.50, one at 43.50.

CALVES 165: VEALERS GRADING STANDARD AND GOOD STEADY TO STRONG. Two Prime vealers at 93.00 and 95, few Choice 75.00-92, Good 61.00-68, Standard & Good 90-120 lbs. 52.00-58, 64-85 lbs. 45.00-52.00, Utility 45-105 lbs. 35.00-42, few down to 20.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 59.00-85, mostly 70.00-79; few Holstein Heifers 90-100 lbs. 57.00-60. Beef Cross Bulls & Heifers 75-120 lbs. 51.00-79.00.

HOGS 192: BARROWS AND GILTS 50 CENTS -$1 LOWER. US No. 1-2 210-240 lbs. barrows and gilts 42.35-42.85, No. 1-3 220-260 lbs. 41.25-42.35, few No. 2-3 245-250 lbs. 39.60-40. US No. 1-3 340-620 lbs. sows 35-38.50. Two Boars 28.00 & 29, Light Weights 33.00-35.

FEEDER PIGS 2: One Lot US No. 1-3 27 lbs. feeder pigs at 68.00 per hundredweight.

SHEEP 5: Two High Choice 55 & 60 lbs. spring slaughter lambs 79.00 & 91.00. Few Slaughter ewes 18.00-20. GOATS 2: 10.00 & 28.00 per head.

New Wilmington Livestock

New Wilmington, Pa.
Monday, May 6
Report supplied by PDA

CATTLE 277: Compared with last Monday's market, Slaughter Cows steady to strong; Canner & Low Cutter $1.00 higher. Few Good steers 52.00-52.50, Few Standard 45.00-51.00, Utility 42.00-45.00. Choice Slaughter Heifers 52.00-55.00, Few 55.50-56.75, Good 49.00-53.00, Standard 41.50-48.00. Breaking Utility & Commercial Slaughter Cows 39.75-42.75, Couple 45.00-45.25, Few Yield Grade 4-5 37 25-38.50, Cutter & Boning Utility 37.00-41.00, Canner & Low Cutter 30.00-37.00, Shells down to 20.00. Yield Grade No. 1 1345-2285 lbs. Slaughter Bulls, 46.50-50.25, one 53.00, Yield Grade No. 2, One at 1670 lbs. 45.25.

FEEDER CATTLE: Steers Few Medium & Large Frame #1 340-510 lbs. 60.00-68.50, Large Frame #2 300-675 lbs. 43.50-56.00; Heifers Medium & Large Frame #1 300-650 lbs. 45.00-54.50, Few Medium & Large Frame #2 310-650 lbs. 36.00-47.00; Bulls Few Medium & Large Frame #1 600-880 lbs. 47.50-51.00, Medium & Large Frame #2 420-790 lbs. 43.50-48.50.

CALVES 222: Vealers $5.00 to 15.00 higher, Holstein Bull Calves $10.00-25.00 higher. Few Prime Vealers 95.00-100.00, Choice 75.00-92.00, Good 65.00-80.00, Standard 51.00-60.00, Standard & Good 90-125 lbs. 55.00-61.00, 65-85 lbs. 45.00-56.00, Utility 40-60 lbs. 26.00-41.00.

FARM CALVES: Holstein bulls 95-135 lbs. 60.00-89.00.

HOGS 485: Barrow & Gilts fully 50 cents higher. US No. 1-2 205-250 lbs. barrows & gilts 40.85-42.25, No. 1-3 200-260 lbs. 40.00-41.10, No. 2-3 255-280 lbs. 35.50-39.25, No. 1-3 140-200 lbs. 34.50-39.00. Sows mostly $2.00 lower. US No. 1-3 280-610 lbs. sows 33.00-41.25. Boars 26.00-35.50.

FEEDER PIGS 33: US No. 1-3 35-45 lbs. feeder pigs 32.00-39.00 per head.

SHEEP 170. High Choice & Prime 60-150 lbs 75.00-81.50, One Lot 85.00, Good & Choice 35-70 lbs. 68.00-78.00.

Slaughter ewes 10.00-15.00

Eighty-Four Livestock

Eighty-Four, Pa.
Monday, May 6
Report supplied by PDA

CATTLE 248: Compared with last Monday's market, slaughter steers 50 cents to $1.00 lower; Slaughter cows 75 cents to mostly $1.00 lower. Few Choice steers 55.00-57.00, Good 52.00-55.50, Standard 47.00-51.50, Utility 41.00-46.00. Choice Slaughter Heifers 53.00-56.00, Good 49.00-53.50, Standard 44.00-49.00, Utility 40.00-43.00. Breaking Utility & Commercial Slaughter Cows 38.75-42.50, Few 43.75-44.75, Cutter & Boning Utility 36.00-39.50, Canner & Low Cutter 29.00-36.25, Shells down to 20.00. Yield Grade No. 1 1200-1900 lbs. Slaughter bulls 48.00-53.25, Yield Grade No. 2 940-1200 lbs. 41.00-44.00.

FEEDER CATTLE: Steers Medium Frame #1 350-550 lbs. 58.00-70.00, Medium Frame #2 400-650 lbs. 44.00-55.00; Heifers Medium Frame #1 400-600 lbs. 50.00-60.00, Medium Frame #2 300-500 lbs. 40.00-50.00 Bulls Medium Frame #1 400-600 lbs. 48.00-60.00.

CALVES 179: Choice Vealers 81.00-95.00, Good 69.00-80.00, Standard & Good 90-120 lbs. 47.00-56.00, 60-85 lbs. 40.00-49.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 60.00-87.50.

HOGS 90: Barrows & Gilts 50 cents lower. US No. 1-2 210-240 lbs. Barrows & gilts 40.00-40.50, No. 1-3 200-250 lbs. 39-50-40.10, Few No. 2-3 240 lbs. 38.00. Sows: Few US No. 1-3 400-600 lbs. sows 38.00-42.50, No. 2-3 360-500 lbs. 30.00-36.00. Boars 25.00-32.50.

FEEDER PIGS 10: Few US No. 1-3 60-85 lbs. feeder pigs 32.00-39.00 per head.

SHEEP 111: Spring Slaughter Lambs $1.00-2.00 lower. High Choice & Prime 68-98 lbs. 84.00-87.00, Few Choice 30-50 lbs. 75.00-80.00, Few 94 lbs. at 72.00. Slaughter Sheep 13.00-18.50.

GOATS 21: 13.00-29.00 per head.

Greencastle Livestock

Greencastle, Pa.
Monday, May 6

CATTLE 517. Butcher Steers-Choice 52.00-57.75; Butcher Steers-Medium-Good 47.00-54.00; Butcher Heifers- Choice 50.00-54.50; Butcher Heifers- Medium-Good 45.00-53.00; Butcher Cows- Utility-Good 41.00-46.50; Butcher Cows- Canners and Cutters 37.00-43.00; Butcher Cows- Shells 37.00 and down; Butcher Bulls- Medium-Good 45.00-55.50; Stock Steers- Medium-Good up to 70.00; Stock Heifers-Medium-Good 54.00.

CALVES 364. Medium-Good Calves-160-220 lbs. 65.00-90.00; Medium-Good Calves-125-160 lbs. 60.00-80.00; Medium-Good Calves-100-120 lbs. 55.00-65.00; Medium-Good Calves-80-100 lbs. 50.00-60.00; Holstein Bull Calves up to 90.00; Holstein Heifer Calves 60.00; Light and Green Calves down to 30.00.

SHEEP and LAMBS 18. Medium-Good Lambs 60.00-70.00; Butchering Ewes and Bucks 19.00-23.50.

HOGS 100. Good-Choice Butcher Hogs 190-225 lbs. 40.00-42.75; Good-Choice Butcher Hogs 225-250 lbs. 41.50-42.85; Good-Choice Butcher Sows 400 lbs., up to 39.00; Good-Choice Butcher Sows 400 lbs., up 43.00; Heavy Boars 30.00; Pigs - Per Head 19.00-44.00.

Hay & straw 50.00 to 86.00 per ton.

New Holland Horse

New Holland Sales Stables
Monday, May 6
Report supplied by auction

Reported receipts of 300 head of horses, mules and ponies. Market: steady.

Local:
Better horses 450.00-925.00.
Registered 675.00-1050.00.
Driving horses 250.00-650.00.
Riding horses 275.00-375.00.
Lightweight killers 225.00-300.00; Heavyweight killers 350.00-460.00.
Mare ponies 35.00-75.00; Colts 10.00-35.00; Gelding ponies 35.00-75.00.
Larger ponies 125.00-190.00.

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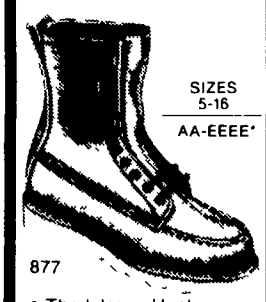

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THE OLD FARMER'S ALMANAC

MAY 13-19, 1985

Sunny and bright, no storms in sight

Don't remove winter mulch from strawberry plants too soon Average length of days for the week 14 hours 38 minutes New moon May 19 (Sun) Composer Charles Ives died at age 79 May 19 1954 Mount St Helens erupted in south western Washington May 18 1980 Congress authorized new coin — the nickel — May 16 1866 First Kentucky Derby May 17 1875 *God gives the milk but not the pail*

Ask the Old Farmer Why were bridges covered in the old days? To keep hay from blowing off a wagon into the river? R D B Nashville

Bridges were covered for the same rea on barns have roofs — to protect wooden decking from the weather But we also know that such coverings were handy for other purposes

Home Hints Hot vinegar will remove paint spots from windows

OLD FARMER'S WEATHER FORECAST

New England. Beginning of week sunny and warm through end of week partly sunny mild

Greater New York-New Jersey: Rainstorm with cool temperatures at week s begin ning midweek warm partly cloudy end of week cloudy rain

Middle Atlantic Coastal Cloudy at beginning of week warm temperatures rain north at midweek end of week brings more rain

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St. Louis Cattle

Thursday, May 9
Report supplied by USDA

Receipts This Week	3,500
Week Ago	3,800
Year Ago	3,500

Compared to last week's close, Slaughter Steers and Heifers mostly 1.50-2.00 lower. Cows 1.00-2.00 higher. Bulls steady. Slaughter supply mainly Choice and Mixed Choice and Prime Steers and Heifers, with several lots YG 4-5, around 10% Cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1350 lbs. 55.00-56.00; 4-5 1050-1200 lbs. 49.50-51.75. Choice 2-4 950-1300 lbs. 54.00-56.00; 3-4 1100-1400 lbs. 51.00-54.00. Mixed Good and Choice 2-3 900-1200 lbs. 53.00-54.50. Good 2-3 900-1200 lbs. 52.00-54.00. Mostly Good W-E 1100-1500 lbs. Holsteins 48.00-51.00. Standard to Good 2-3 1100-1500 lbs. 47.00-50.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-3 900-1100 lbs. 54.00-55.00; 4-5 975-1200 lbs. 48.50-50.00. Choice 2-4 850-1100 lbs. 52.00-54.00; 3-4 900-1100 lbs. 50.00-52.00; 4-5 950-1200 lbs. 48.00-50.00. Mixed Good and Choice 2-3 850-1000 lbs. 51.00-52.50. Good 2-3 750-1000 lbs. 48.00-51.00.

COWS: (Closing Week Sales) Breaking Utility and Commercial 2-4 40.00-42.00. Cutter and Boning Utility 1-2 39.00-42.00. High-Yielding Utility 1-2 42.00. Canner and Low Cutter 1-2 35.00-39.00. Shelly Canner 1-2 29.00-35.00.

BULLS: YG 1-2 1050-1800 lbs. 47.00-50.00. Individual YG 1 1950 lbs. 50.75.

Weekly Sheep Auction
Wednesday, May 8

Receipts around 150 head. Compared to last week, spring Slaughter Lambs 3.00 higher. Feeder Lambs 2.00 higher. Not enough of any other class to test market trends. Demand good for Spring Slaughter Lambs, moderate for the balance. Supply light.

SLAUGHTER LAMBS: Mixed Choice and Prime Spring 90-105 lbs. 76.00-79.00. One small lot 118 lbs. 65.50. Old crop lambs scarce.

SLAUGHTER EWES: Few Utility 22.00.

FEEDER LAMBS: Mixed Choice and Fancy 65-75 lbs. 66.00-69.00.

FEEDERS: (including around 800 at the regular Thursday auction.) Steer Calves 300-500 lbs. steady to firm Heavier Steers and all weight Heifers weak. Overall quality a bit below recent weeks Spring field work in full swing, keeping receipts and attendance light. Supplies consisted mostly of 400-800 lb Steers and 300-700 lb Heifers

FEEDER STEERS Medium and Large Frame 1 300-400 lbs.71 00-75 00; 400-500 lbs 73 00-79 00; 500-600 lbs 66 50-69 50, one lot Missouri gold label 73.00; 600-700 lbs. 66.00-67.00, fleshy 60 00-64.00; 700-800 lbs. 60 00-62 75 Medium and Large Frame 1-2; 300-500 lbs. 64.00-70.00; 500-600 lbs. 63.00-67.00 Small Frame 1-2 400-500 lbs 67.00-70 00; 550-600 lbs 50.00-56.00 Large Frame No 2 Holsteins; few lots 600-700 lbs. 51.00, few lots 700-800 lbs 46.50-50.00

FEEDER BULLS. Medidum and Large Frame 1-2; 400-500 lbs. 61.00-68.00; 500-700 lbs. 57.00-63.00

FEEDER HEIFERS· Medium and Large Frame 1: 300-400 lbs. 59.00-63.00; 400-500 lbs. 57.00-61.50, one lot 64.25; 500-600 lbs. 57.00-58.00; 600-750 lbs. 53.00-56.00. Medium and Large Frame 1-2· 300-600 lbs. 52.00-58.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, May 4
Report supplied by auction

FEEDER CATTLE· Trend-Steers 2.00 higher; Heifers Steady. Steers- M&L-1 300-500 lbs. 68.00-75.00, 500-700 lbs. 63.00-74.50, 700-1000 lbs. 52.50-65.50, Holstein 300-1000 42.50-53.50. S-1&M&L-2 300-500 lbs. 68.00, 500-700 lbs. 58.50-66.00, 700-1000 lbs. 54.50-64.50. Feeder Bulls: M&L-1 300-500 lbs. 57.00-64.00, 1 lot 68 00, 500-700 lbs. 57.00-65.00, 700-1000 lbs. 45.00-55.00 S-1&M&L-2 300-500 lbs. 54.00-63.00, 500-700 lbs. 45.00-50.00. Heifers· M&L-1 300-500 lbs. 51.00-61.25, 500-700 lbs. 47.00-56.00, 700-800 lbs. 46.75-50.50. S-1&M&L-2 300-500 lbs. 49.00-54.00, 500-700 lbs. 46.50-50.00; 700-800 lbs. 47.75.

STOCK COWS Beef 350-585 8/pair.

SLAUGHTER COWS: Trend-Utility & Commercial 2.00 Lower-Canner & Cutters Steady 1.00 higher. Utility & Commercial 2-4 35.00-40.75; Canner & Cutters 1-3 33.25-36.25.

LAMBS: Trend- 2.00 Lower. High Choice & Prime 74.50; Choice 71.00, Slaughter Ewes 2.00-15.00; Head Ewes 60.00-85.00 w/lambs.

HOGS: US1-3 200-240 lbs. 40.00; Sows 1-3 few 44.50-45.00; Boars 26.00.

VEAL: Choice & Prime 70 00 73.50.

SLAUGHTER CALVES: Good & Choice 50.00-60.00.

Valley Livestock

Athens, Pa.
Monday, May 6
Report supplied by auction

Holstein Hfr. Calves to 65.00
Veal Calves 65.00-97.00.
Vealer Bull Calves 65.00-86 00
Slaughter Calves 50.00-57 00
Grassers & Feeders 40.00-59 00
Lambs 50.00-71.00.
Sheep 12.00-26.00.
Hogs, 200 to 250 39.00-42.50
Sows 29.00-33.00.
Boars 27.00-30.00.
Pigs each 15.00-33.00
Heifers 37.00-42.75.
Steers, medium 39.00-42.50
Steers, feeder 36.00-50.00.
Bulls 44.00-49.25.
Cows, utility 40.00-42.00.
Cows, fat 40.00-42.00.
Cows, medium 34.00-36.50.
Cows, poor or small 28.00-34.00
Cattle Market higher.
Calf Market higher.
Goats each 10.00-50.00.

Remarks expect both cow and calf market to be real good nex few weeks.

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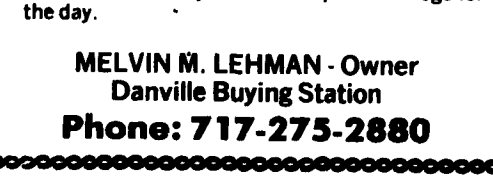

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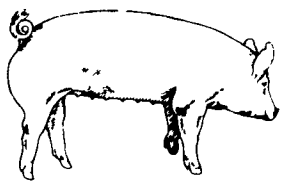

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Every 4 Weeks

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NEXT SALE DATE JULY 5

VIRGINIA MARKETS

Livestock market and auction news

Virginia Auction Summary

May 2-May 8
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 5,124.

Trend: Uneven, 2.00 higher to 2.00 lower.

South & Southwest Va.
Smithfield
May 2-May 8
Report supplied by VDA

STEERS: Medium 1 300-500 lbs. 69.50-80.00, 500-700 lbs. 60.00-73.00, 700-1000 lbs. 50.00-60.00. Large 1 300-500 lbs. 66.00-74.00, 500-700 lbs. 61.50-73.75, Small 1 300-500 lbs. 58.00-69.00, 500-700 lbs. 54.50-65.50, 700-1000 lbs. 52.50.

HEIFERS: Medium 1 300-500 lbs. 52.00-62.00, 500-700 lbs. 45.75-56.50, 700-900 lbs. 43.50-56.00, Large 1 300-500 lbs. 53.00-61.50, 500-700 lbs. 50.00-58.00, 700-900 lbs. 52.75-53.25, Small 1 300-500 lbs. 55.00-61.00, 500-700 lbs. 45.00-53.00.

Northern Va. Auction Summary
May 2-May 8
Report supplied by VDA

STEERS: Medium 1 300-500 lbs. 64.00-75.50, 500-700 lbs. 61.00-71.50, 700-1000 lbs. 51.25-65.00, Large 1 300-500 62.00-73.00, 500-700 lbs. 63.00-72.00, 700-1000 lbs. 51.00-58.50, Small 1 300-500 lbs. 55.00-68.00, 500-700 lbs. 54.00-66.00, 700-1000 lbs. 48.00-56.50.

HEIFERS: Medium 1 300-500 lbs. 51.75-60.50, 500-700 lbs. 49.00-57.50, 700-900 lbs. 41.00-50.50, Large 1 300-500 51.00-61.00, 500-700 lbs. 50.00-58.50, Small 1 48.00-53.50, 500-700 lbs. 47.75-53.00.

Four States Livestock

Hagerstown, Md.
Wednesday, May 1
Report supplied by Auction

SLAUGHTER: Fed Steers- $1.00 Lower. Choice 54.00-56.75; Good 50.00-54.00; Medium 45.00-50.00. Heifers- Steady Prices. Choice 52.00-54.00; Good 48.00-52.00; Medium 43.00-48.00. Cows- Mostly Steady. High Yield 40.00-43.00; Individual At 48.25; Average 37.00-40.00; Big Middle 33.00-36.00; Fatty Herf. 34.00-37.00; Shelly 36.00 down. Fat Bulls- $2.00 lower. Good- 48.00-51.00; Medium 42.00-47.00. Veal Calves- Choice 80.00-90.00; Good 70.00-80.00; Medium 60.00-70.00; 85-110 lb. 48.00-55.00; Farm Hfrs. 55.00-70.00; Farm Bulls 65.00-75.00; Light & Weak 48.00 down; Lambs- Choice 1 Lot 100 lb. $76.50.

STOCKER: Steers- 300-550 lbs. $2.00 lower. Choice 65.00-70.00; Good 58.00-65.00; Medium 50.00-57.00; Culls 50.00 down. Steers- 600-850 lbs. Choice 57.00-65.00; Good 54.00-57.00. Heifers- (All Weights)- Choice 50.00-56.50; Good 45.00-50.00; Holsteins 46.00-62.50; Bulls- 300-600 lb. Choice 60.00-65.00; Good 55.00-60.00; Dairy Cows to $525.00; Pigs Hd, $3.00 to $5.00 higher- 20-40 lbs. 25.00-46.00; 40-60 lbs. 45.00-58.00. Slaughter Hogs mostly steady- US 1-3 215-245 lbs. 40.00-40.50; 260-285 lbs. 35.00-36.50; 190-205 lbs. 36.50-39.75. Sows- $3.00-4.00 lower- 500-600 lb. 40.00-42.50; 350-500 lb. 34.50-37.00.

Next Week: Special Feeder Cattle Sale, Buyers Will Be Here! Selling: 1 Purebred Angus Bull (No Papers) Out Of A Wye Cow: 14 Months Old, 1200 Lb. Next State Graded Feeder Sale At Carlisle, PA. May 10th, 1:30 P.M.
Hatfield Top $42.50.

Westminster Livestock Auction

Westminster, Pa.
Tuesday, April 30
Report supplied by auction

SLAUGHTER COWS: Steady with last week. High Yield 42.00-45.00; Utility 38.00-42.00; Canners 35.00-39.00; Shelly 35.00 Down. Bulls- $1.00 lower. Good 46.00-48.25; Medium 42.00-46.00. Fed Steers- Weak demand. Choice 1100-1500 lbs. 53.50-55.25; Good Hol. 45.00-49.50. Fed Heifers- Few Good to Choice 1100-1250 lb. 51.00-54.00; Several 750-900 lb. 43.00-48.50. Veal Calves- Good & Low Choice 70.00-84.00; Standard 60.00-70.00; Killers $2.00 lower. 80-110 lb. 47.00-54.00; Weak 35.00 Down. Farm Calves- Hol. Bulls $5.00 lower. 100-125 lb. 60.00-74.00; 90-100 lb. 55.00-68.00; Beef Cross Cfs. Good Demand Several 70- 130 lb. 65.00-95.00. Butcher Hogs- 50 cents lower. US # 1 & 2 215-240 lb. 1 lot 41.25. US # 1 & 3 210-260 lb. 39.75-40.50; 270-280 lb. 35.75-37.50. Sows- 500-550 lb. 39.00-41.00; 300-475 lb. 33.00-36.00. Boars- 400-500 lb. 30.75-31.50.

STOCK CATTLE: 125 hd. Active bidding from large crowd. Steers- 300-700 lb. Choice 66.00-71.00; Good 60.00-66.00; Medium 52.00-58.00; Holsteins 43.00-52.00; 700-900 lb. few Good to 55.00; Holsteins 40.00-48.00. Heifer- 300-700 lb. Choice 52.00-56.00; 1 to 60.00; Good 47.00-52.00; 700-900 lb. Choice 46.00-49.00; Good 43.00-46.00. Bulls- 300-600 lb. Choice 62.00-66.00; Good 57.00-62.00; 700-900 lb. Med. to Good 40.00-45.00. Lambs- Few offered. Choice 90-110 lb. 79.00-81.00; few 40-60 lb. 82.00-86.00. Sheep- 25 hd. 18.00-35.00; Mainly 20.00-25.00. Goats- Mature 25.00-35.00; Few 40.00-46.00; Kids Good 20.00-28.00; Kids Small 10.00-18.00. Pigs & Shoats- 115 hd. 25-35 lb. 31.00-37.00; 35-55 lb. 35.00-48.00. By the lb.- Few 110-130 lb. 40.00-47.00; Few Boars 160-170 lb. 30.00-31.50.

Hay 7 Loads

PRICES $10 HIGHER - Alfalfa $97-111 a ton, Timothy $76-111 a ton, Clover $1.30 a bale, Mixed Hay (weedy) 80 cents a bale.

PIG SALE RESULTS

1015 Pigs - US#1&2, 30-39 lb. $101-118, 40-48 lb. $107-113, 50-59 lb. $101-111, Small Lots 49-58 lb. $75-95, US#1&2 60-67 lb. $84-95, 75-85 lb. $73-78, 74 lb. $111. US#2 20-43 lb. $85-111, 47-57 lb. $91-101, 65-80 lb. $71-79.

THANK YOU FOR YOUR SUPPORT IN THE SPECIAL FEEDER CATTLE SALE.

New Holland Dairy

New Holland Sales Stables
Wednesday, May 8
Report supplied by auction

Reported receipts of 60 cows, 52 heifers, and 6 bulls. Market steady.

Load of PA fresh cows 950.00-1250.00.

Load of Canada fresh cows, 660.00-760.00, springers 590.00-880.00.

Load of PA fresh cows, 650.00-825.00.

Locally consigned cows 450.00-825.00.

Springing heifers 510.00-875.00.

Bulls 325.00-675.00.

HAY & STRAW SALE
12:00 Noon
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7:00 P.M.-Small Animal Sale.
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NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Check Weevils in Alfalfa

We are right into the decision making period for alfalfa weevil control. The question comes up, should I spray or cut it? This depends on the degree of damage and just how far your alfalfa is along. If your stand is getting along in maturity, then it would pay you to cut it early. If you decide to spray, then it should be applied only when 60 to 70 percent of the plants show slight feeding damage at the tips.

In most cases, spray application will not be necessary. The economic threshold line is based on a loss of 1/10 ton of alfalfa hay per acre. At $100 per ton of hay, a loss of 1/10 ton equals $10. If the cost of spraying is $9 to $10 per acre, you are at the break even level.

The two major problems with spraying is the physical damage by running the tractor over the growing plants and, secondly the tolerance time from the time of application until the residue is "off" the plants. Be sure to read the label before applying pesticides.

To Use a Starter Solution For Transplants

Gardening is a way of life for farmers and most suburban people. And if you want to give your garden a real boost this spring....then use a fertilizer starter solution when you set out your plants.

It's easy to make...just dissolve about three tablespoons or so of regular 10-10-10 fertilizer in a gallon of water. And, as you set out your plants, such as cabbage, tomatoes or peppers, pour some of the starter solution in the hole...stir the soil...put in the plant...cover the roots with soil...and you've got that plant off to the best start ever.

A starter solution makes plant nutrients available to the young roots immediately...just the time you do your transplanting.

Or, even better, you might want to buy a special starter fertilizer. There are specially designed complete fertilizers which are high in available phosphorus. Be sure to follow label directions on the container.

To Inspect Lightning Rod System

The thunderstorm season is at hand and buildings that have rods should be protected; that is, if the rods are connected and free of obstructions. We urge owners of rodded buildings, especially barns, to inspect them closely and remove all items that will stop the flow of the electrical bolt. In many cases straw, hay, bags, or bird nests might be between the rod and the building and cause a fire. Also, be sure the rods go into moist soil and are well grounded. A close inspection of the rod system will assure the protection that is needed.

To Check Your Dog For Parasites

Most all farms have a dog or two around as pets and for security purposes. In either event, now is a good time to check for parasites.

Fleas become a special problem during the spring. The eggs they laid in the fall that were not killed by insecticides may have been dormant over the winter. Then in the warmth and moisture of the spring, these eggs hatch.

Numerous treatments exist for fleas such as flea and tick powders that contain carbaryl. One application won't eliminate the problem. You must also pay attention to your pet's environment. Aerosol sprays work well for treating living areas.

You may not be aware that your dog has fleas, especially with a longhaired dog. Just roll the dog on its back and look at the belly where the hair is thin. You can usually spot fleas in this area.

The Penn State Extension Service is an affirmative action, equal opportunity educational institution.

THE BIBLE SPEAKS
BY LAWRENCE W. ALTHOUSE

IS IT ALL "VANITY"? May 12, 1985

Background Scripture:
Ecclesiastes 1:1 through 2:11;12.
Devotional Reading:
Eccelsiastes 7:1-13.

Except for Chapter 3, which begins with the familiar words, "For everything there is a season, and a time for every matter under heaven...", I am quite certain you've heard few, if any, sermons from the book of Ecclesiastes. It seems to be no one's special source of faith and inspiration.

Interestingly enough, if Ecclesiastes had been published outside the Bible, it would probably have survived as a gem of philosophic literature. But no one I have ever encountered seems to have a satisfactory explanation as to why Ecclesiastes is found in our Bible. What purpose can it possible serve? It's mood is so depressed, so hopeless, so crushing that it seems an outlook on life really quite in contrast to the perspective of faith and hope.

WHAT THE PREACHER SEES

The problem is not so much what the writer of Ecclesiastes sees in the world, but with the conclusions about life which he draws from his observation. The Preacher, as the writer of Ecclesiastes in known, has his facts down pat. What did the Preacher see? He saw pretty much what many of us see in out world today: he saw lots of evils and problems that appeared to be utterly beyond his ability to do anything about them, he saw the world in a rut or treadmill-running like mad, but getting nowhere—and he saw a sense of "vanity" in all that he tried to do. Nothing seemed to matter.

Who us has not put down the morning pap and its fresh accounts of disasters an around the world and not said the contemporary equivalent of: "Vanity of vanities! All is vanity"? (1:2). Life seems futile, devoid of meaning, and going nowhere fast. Nothing we do appears to make any difference.

ADDING IT UP

But, if we read through the twelve chapters of Ecclesiastes, even though we first identify with the Preacher's gloomy feelings, we may find ourselves saying, "Enough is enough!" Yes, we all feel that way sometime, but the Book of Ecclesiastes is one complaint or gloomy prediction after another. Maybe that's why there is a Book of Ecclesiastes in our Bible: to serve as a negative example, to show us we are not supposed to be.

By the time I come to the end of reading this book, I want to argue with the Preacher and say to him, "Yes, life can be discouraging, but it can also be inspiring. Yes, there is a lot over which to be gloomy, but there's also much to be happy and thankful."

Probably the most positive thing the Preacher says, is: "Fear God and keep his commandments, for this is the whole duty of man."

Perhaps it was as much as could be said, until the coming of Christ, who changed the Preacher's "vanities" into God's redeeming purpose.

Soil conservation workshop completed by Penn State

UNIVERSITY PARK, Pa. — As a result of training workshops at The Pennsylvania State University, farm-nutrient management specialists for the lower Susquehanna Basin are better prepared to help farmers prevent losses of fertilizer and manure caused by erosion and runoff.

The four weekly workshops, completed recently, were attended by state, federal and conservation district personnel from 6 counties, according to Mitchell Woodward, manure management specialist for the southeast region of the Penn State Extension Service.

The workshops were conducted by Penn State faculty as a part of the Chesapeake Bay cleanup program. Fertilizer and manure washing down the Susquehanna River provide a significant part of the Bay's pollution problem.

In the coming months, the nutrient management specialists will be helping farmers to prepare nutrient management and erosion control plans for their farms, said Woodward. They will also be staffing a mobile soil and nutrient testing laboratory for the lower Susquehanna region.

Workshop participants represented the Extension Service, County Conservation Districts, Pennsylvania's Department of Environmental Resources, the U.S. Soil Conservation Service and the U.S. Agricultural Stabilization and Conservation Service.

Workshop presentations and discussions covered various aspects of fertilizer and manure use, as well as related matters of tilling and water quality, said Woodward.

At the first workshop, soil chemist Dale Baker presented the overall goals and strategies of the Chesapeake Bay cleanup program in Pennsylvania. Baker directs Penn State's part in that program. "It was good to get that overview," said Woodward. "So many people and agencies are involved that it's hard to see how they all fit together."

At subsequent sessions, faculty of the Departments of Agronomy and Agricultural Engineering discussed such topics as laboratory methods for determining nitrogen and phosphorus requirements for crops, especially corn.

Les Lanyon, associate professor of soil fertility, presented a worksheet for helping determine whether a farm field receives more nutrients than necessary for its crop. Cutting back on fertilizer excesses can reduce farm expenses and protect water quality in streams and domestic water wells.

Agricultural economist Bill McSweeney led a round table discussion on the difficulty of assessing fertilizer requirements and available nutrients in fields which receive heavy applications of manure.

"Many farmers have a long tradition of applying fertilizer as well as manure, as a way of protecting yields," said McSweeney. "Before we can suggest that a farmer cut back on fertilizer applications, we have to find an effective way of evaluating manure's nutrient content and the economic impacts of relying on manure rather than fertilizer. We don't have any easy answers."

Farm Calendar

Saturday, May 11
W. Pa. Sheep and Club Lamb Sale, Mercer Co. 4-H Park, Mercer, 6:30-p.m. Phone: 412-662-3800.

Monday, May 13
Pa. Dairy Sanitarians' and Laboratory Directors' Conference, J.O. Keller Conference Center, PSU. Continues through May 15.
Servicemen's Seminar; Holiday Inn, Shamokin Dam. Phone: 814-865-5573.

Thursday, May 16
PACMA meeting at Clover Packing plant, Selinsgrove; 7:30 p.m.

Saturday, May 18
ABS Cattlemen's Spring Field Day, Stornoway Farms, Ligonier. Phone: 412-238-9756.

Sunday, May 19
Spring Farm Show, Carroll County Farm Museum, Westminster, Md. 10 a.m. to 5 p.m.

Wednesday, May 22
20th Spring Rally, Pa. Society of Farm Women, Ramada Inn, Hagerstown, Md.

Saturday, May 25
Pa. Simmental Association Sale, Farm Show Building.

York County reaches 30% acreage reduction signup

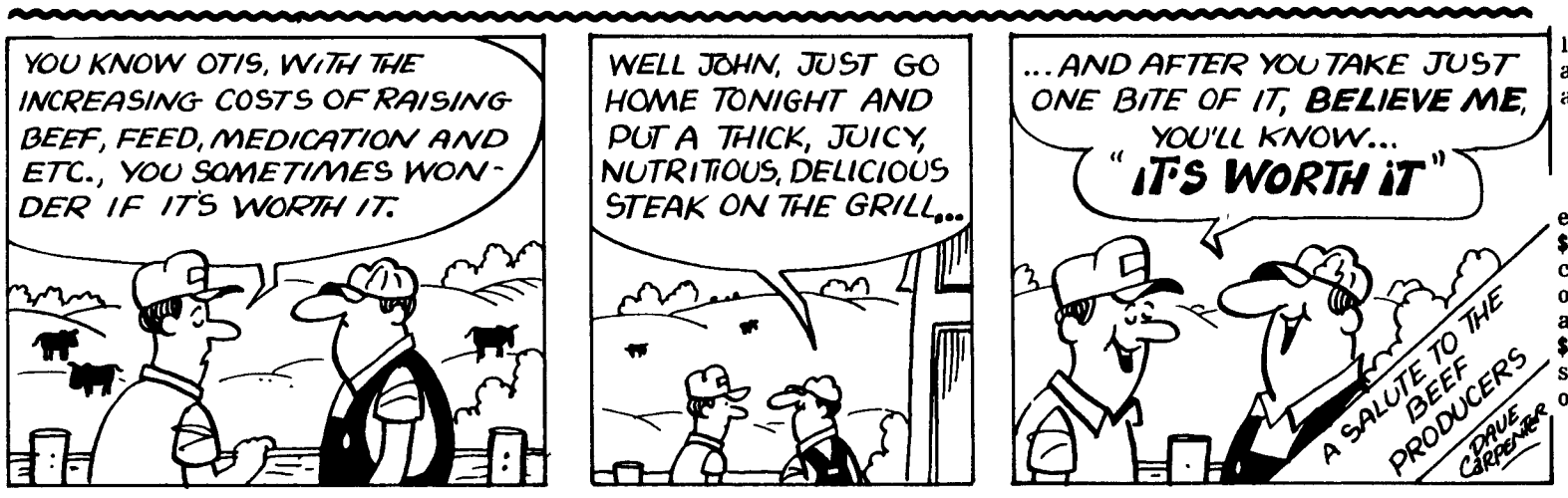
YORK — When the 1985 farm program sign-up period ended April 1, York County farmers had enrolled 15,688 acres, or 30 percent of their eligible wheat and feed grains in the federal acreage reduction program.

Harry Wolf, Chairman said York Co. producers enrolled 207 farms in the programs and agreed to take out of production, at least 30 percent of their wheat and 10 percent of their feed grain base acres.

"This means that as much as 1,932 acres of cropland in York Co. could be idled this year, depending on how many acres of program crops are planted by participants," Wolf said.

Crop base acres enrolled in the 1985 farm programs include 13,870 acres of feed grains, and 1,818 acres of wheat.

Program participants will be eligible for price support loans at $3.35 a bushel for wheat, $2.83 for corn, $2.09 for barley, $1.53 for oats, and $2.43 for sorghum. They are also eligible for target prices of $3.03 per bushel for corn, $2.88 for soghum, $2.60 for barley, $1.60 for oats, and $4.38 for wheat.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Adams dairy farmers unite for promotion

GETTYSBURG — With a united purpose and determination in their voices, Adams County dairy farmers have laid the groundwork for a new and aggressive approach to dairy promotion in their area.

Recognizing that the need to support dairy promotion is immediate, the Adams dairy farmers have formed a new promotion committee. They have agreed that "if we're going to produce it, we'd better promote it."

Previously, dairy promotion in Adams County was handled by the Holstein club, through its dairy princess pageant in June and a few other scattered events. The new Adams County Dairy Promotion Committee hopes their efforts will complement the work already being done, as well as expand the endeavors to encourage consumption of dairy products.

Organizers of the new promotion committee are: Doris Wilkinson, chair; Sandra Flickinger, vice-chair; Bob Clowney, secretary; and Gary Eberle, treasurer.

At the recent first meeting of the committee, said chairperson Doris Wilkinson, "ideas flowed as easily as milk from a milking parlor into a bulk tank." While ideas for promotion were not lacking, however, funding for the programs will have to be the first priority of the committee.

In the upcoming months, area dairymen will be given the opportunity to show their support of the committee and its work by contributing funds and helping with fund-raising projects. Also, when promotion plans are finalized, matching funding will be sought from the Pennsylvania Dairy Promotion Program.

The Adams County Dairy Promotion Committee is open to ideas for projects and to suggestions of area events that will lend themselves to dairy promotion.

Anyone interested in knowing more about or helping with the committee can write: Doris Wilkinson, 555 Rentzel Road, Gettysburg, PA 17325; or phone 717-334-6993.

Farmers to discuss purchase of Clover Packing

SELINSGROVE — The beef marketing development committee of PACMA, the Pennsylvania Farmers' Association marketing cooperative, invites central Pennsylvania beef producers and dairy farmers to a meeting at the Clover Packing Plant, Selinsgrove, on May 16, at 7:30 p.m.

"We're looking for producers who are interested in a cooperative effort to buy and operate the Clover plant," says Marlin Miller, PACMA manager, "with the goal of further processing of beef primarily for the portion-controlled, ready-to-eat institutional food market."

Miller emphasizes that improved marketing is the key to the future for beef producers as well dairy farmers.

Over half of the beef produced in Pennsylvania is from dairy farms, adds Miller, so dairy farmers who are interested in marketing are especially encouraged to attend the meeting.

The meeting will begin with a tour of the Clover plant and will then move to the Dutch Pantry restaurant in Hummels Wharf for further discussion of the formation of a cooperative.

To reach the Clover Packing Plant go west on Route 522 from Selinsgrove and turn north on Route 204. The plant is about three blocks from the Route 204 intersection.

For more information, contact Camp Hill office of PACMA at 717-761-2740, or contact committee member Larry Yarger, Middleburg, 717-837-3443.

Farmer-owned reserve oats

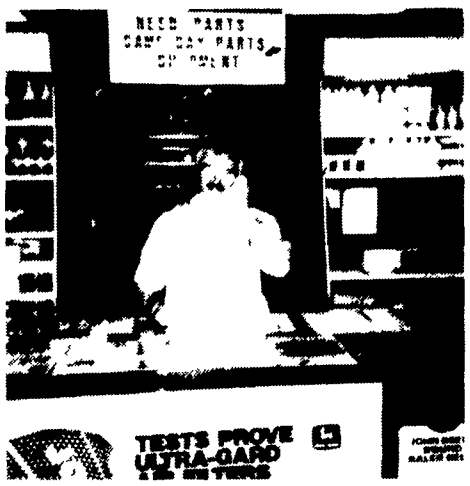
WASHINGTON — Producers may no longer repay loans without penalty on farmer-owned reserve oats, according to Everett Rank, administrator of the U.S. Department of Agriculture's Agricultural Stabilization and Conservation Service.

[illegible]fficials made the decision following a review by the Commodity Credit Corporation of its average market prices May 1, as reported by USDA's Agricultural Marketing Service, Rank said. The prices were adjusted to reflect the market price received by farmers, he said.

The national average adjusted price of $1.61 per bushel for oats on May 1 was 4 cents below the reserve release level. Rank said storage payments for reserve oats will resume in all states.

The daily market reviewed by CCC for oats is in Minneapolis.

JIM HIGH
Partsman



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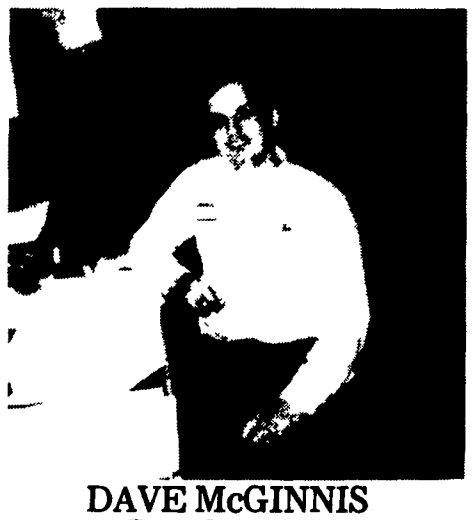

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Livestock market and auction news

Omaha Weekly

Thursday, May 9
Report supplied by USDA

Slaughter Steer and Heifer prices 1.50-2.00 lower than last week. A large supply of Steers weighing over 1300 lbs. and Heifers over 1100 lbs. coming to market was a major factor for the sharp decline This supply of these weight animals and those showing an increase percentage yeild grade 4 worked together to put pressure on prices at the carcass level Slaughter Cows 1.00-1.50 higher, instances 2.00 up. Slaughter Bulls firm

Estimated 5 day receipts of cattle this week 11,000; compared to actuals of 9,982 last week and 13,384 last year. Slaughter Steers made up 55 percent of this week's receipts; Heifers 30 percent, Cows 5 percent, and Feeders 9 percent.

SLAUGHTER STEERS. Closing sales Choice 2-4 1075-1300 lbs 55.00-56 50 Choice 3-4 1250-1350 lbs 52.00-54 50, few 1400-1500 lbs. 49 00-52.00. Mixed Good and Choice 2-3 1000-1150 lbs. 54.00-55.00. Few Good 52 00-53 50 Pen Mixed Good and Choice 2-3 Holsteins near 1500 lbs 49 00

SLAUGHTER HEIFERS Closing Choice 2-4 975-1150 lbs 54 50-55 25, string near 1025 lbs. 57 00 Mixed Good and Choice 2-3 900-1050 lbs. 53.00-54.50. Few Good 51 00-53.00

Average of LS 214 quotations for Choice 900-1100 lb. Steers 55 40, 1100-1300 lbs. 56.30. Average cost all Slaughter Steers this week 54.55, average weight 1213 lbs. compared to 57.20 and 1213 lbs. last week. Average cost all Slaughter Heifers this week 54.19, average weight 1048 lbs. compared to 56 46 and 1043 lbs. last week.

SLAUGHTER COWS: Breaking Utility and Commercial 2-3 39.00-42.25, few high dressing to 45 00. Cutter and Boning Utility 1-2 38 00-41.50. Few Canner and Low Cutter 37.25-38.25

SLAUGHTER BULLS 1-2 1500-2200 lbs. 47.00-50.50, few low dressing to 45.50.

Morrison Cove Livestock

Martinsburg, Pa.
Monday, May 6
Report supplied by auction

CATTLE 212: Choice 56.75-59.00, High Good & Low Choice 51.00-54.25, Good 48.00-50.25, Good & Choice holsteins 47.25-49.50, Standard 44.00-46.00, Utility 39.00-42.75. Choice sl. heifers 52.25-55.75, Good 49.00-51.75, Standard 44.25-48.25, Utility 38.25-43.00. Breaking Ut. & Commercial sl. cows 41.50-44.25, Cutter & Boning Ut. 38.00-40.25, Canner & Low Cutter 32.00-36.50, Shells down to 23.00. Choice sl. bullocks 50.00-52.50, Good 45.00-48.75, Standard 42.00-44.50, Utility 38.50-41.00.

FEEDER CATTLE: Steers Good 56.00-63.00; Standard 48.00-54.00. Heifers Good 48.00-54.00; Standard 38.00-44.00. Bulls Good 53.00-58.00; Standard 42.00-52.00.

CALVES 289: Choice 78.00-86.50, Good 72.00-76.00, Standard 62.00-71.00, Standard & Good 90 lb. to 120 lb. 51.00-56.50, Utility 40-60 lbs. 43.00-48.00.

FARM CALVES: Holstein bulls 90-130 lbs. 61.00-83.00, Holstein heifers 90-130 lbs. 55.00-68.00.

HOGS 280. Barrows & gilts. US No. 1-2 220-240 lbs. barrows and gilts 41.00-42.25, No. 1-3 200-260 lbs. 39.00-40.75, No. 2-3 180-360 lbs. 35.25-38.00. Sows. US No. 1-3 350-500 lbs. sows 40.00-42.00, No. 2-3 350-500 lbs. 34.00-38.00. Boars 25.00-27.50, Light weights 28.00-31.00.

FEEDER PIGS 45. US No. 1-3 30-50 lbs. feeder pigs 32.00-41.00 per head, No. 1-3 20-25 lbs. 18.00-24.00.

SHEEP 7. High Ch. & Pr. 100 lbs 65.00-72.00, Choice 60-80 lbs. 50.00-61.00. 30 GOATS 12.00-45.00 Per Head.

Dewart Livestock

Dewart, Pa.
Monday, May 6
Report supplied by PDA

CATTLE 258: Compared with last Monday's market, steers and cows steady 1.00 lower. Few Choice 1100-1460 lbs. 55.00-57.00, Few Good 47.50-52.50, Holstein 45.00-48.00, Choice Holsteins 48.50-51.00, Couple to 54.00, Standard 41.00-45.00. Few Choice Slaughter Heifers 50.00-55.75, Few Good 45.75-50.75. Breaking Utility & Commercial Slaughter Cows 38.75-43.35, Individual 45.00, Cutter & Boning Utility 38.00-41.00, Canner & Low Cutter 33.75-37.75, Shells down to 33.25. Couple Choice Slaughter bullocks 52.75 & 55.00. Few Yield Grade No 1 1150-1575 lbs. Slaughter Bulls, 43.75 51.50

FEEDER CATTLE: Steers Medium Frame #1 400-650 lbs. 57.00-68.00, Large Frame #2 300-850 lbs. 42.00-52.00.

CALVES 185: Individual Prime Vealer at 99.00, Choice 70.00-86.00, Good 65.00-75.00, Standard & Good 70-105 lbs. 55.00-60.00, Few Utility 65-85 lbs. 45.00-55.00.

FARM CALVES: Holstein Bulls 90-125 lbs. 59.00-84.00.

HOG 155: Barrows & Gilts about steady. Couple Lots US No. 1-2 230 lbs. barrows & gilts at 42.00, No. 1-3 195-240 lbs. 41.00-41.90, Few No. 2-3 250-300 lbs. 32.00-34.25. Sows. US No. 1-3 300-585 lbs. sows 33.00-39.00, Few Medium 200-330 lbs. 28.00-30.00. Boars 30.00-31.00.

FEEDER PIGS 137: US No. 1-3 20-30 lbs. feeder pigs 22.00-30.00 per head, No. 1-3 30-45 lbs. 30.00-34.00 per head.

SHEEP 7: Few Choice 85-90 lbs. Spring Slaughter Lambs 83.00-87.00. Few Slaughter ewes 23.00-24.50.

Peoria Cattle

Thursday, May 9
Report supplied by USDA

Trading slow to moderate on moderate receipts this week. Compared with last week Slaughter Steers and Heifers 1.50 to 2.00 lower. Cows weak to mostly 1.00 lower. Not enough bulls this week for a market test. Supply mainly Good to Average Choice Slaughter Steers and Heifers with 8% Cows. Receipts this Week about 2100 as compared to 1703 a week ago and 1413 a year ago.

SLAUGHTER STEERS: Choice 2-4 1050-1250 lbs. 54.00-56.50; 1000-1050 lbs. 54.50-55.00. Choice 3, few 4 1245-1375 lbs. 54.50-55.50. Mixed Good and Choice 2-3 1000-1200 lbs. 52.00-55.00. Good 2-3 900-1050 lbs. 51.50-53.50. Mixed Good and Choice 2-3 Holsteins 1100-1300 lbs. 49.00-51.00.

SLAUGHTER HEIFERS: Choice 2-4 950-1100 lbs. 52.50-55.50, mostly 54.00-55.50; 900-950 lbs. 53.50-54.50. Mixed Good and Choice 2-3 900-1100 lbs. 51.00-53.50. Good 2-3 800-950 lbs. 50.00-52.50.

COWS: Few breaking Utility and Commercial 2-3 39.00-41.00, few high dressing 41.00-42.00. Cutter and Boning Utility 1-2 35.00-40.00. Canner and Low Cutter 32.00-36.00.

BULLS: Scarce.

"An Idea Whose Time Has Come."

EASTERN agri-brokers inc

Brokering
Vitamin Mineral
Premixes
Feed Grade Antibiotics

★ CHLORACHEL-50, 50 lb..... 86.65
★ CSP-250, 50 lb 121.60
★ TYLAN-10, 50 lb 60.65
★ LINCOMIX-20, 50 lb 249.05

LANCASTER, PENNA.
1829 William Penn Way
1-800-848-1619

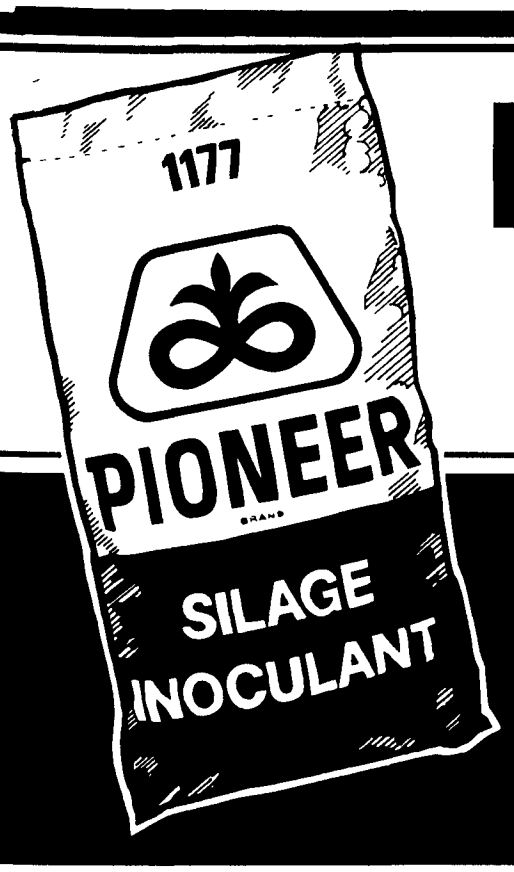
Prices Subject to Availability Call For Delivery Area

— ATTENTION —
CATTLE FEEDERS

SPECIAL SALE
Thursday, May 23rd
11 AM

300 Head of acclimated PA Cattle,
from 500 to 800 Steers and Heifers.

Walter M. Dunlap and Sons
Lancaster Stockyards Tel. (717) 397-5136
An Old Line Commission Firm Keeping Abreast With The Times



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BRAND
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MAKES GOOD SILAGE EVEN BETTER

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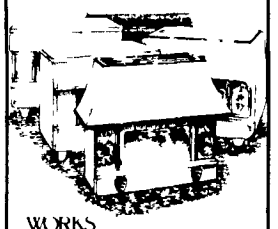
SURDIAC
COAL STOVES



STOVE WORKS CLASSIC

Hopper Feed
and
Automatic Draft

SALE PRICE IN EFFECT NOW...
$100 Will Hold Until Fall

BOWMAN'S STOVE SHOP
RD 3, Ephrata, PA 17522
Rt. 322, 1 Mi. East of Ephrata
(717) 733-4973
Tues., Wed. 10-6;
Thurs., Fri. 10-8;
Sat. 10-4

Philadelphia Wholesale Fruit and Vegetable Report

Tuesday, May 7, 1985
Report Supplied by USDA

FRUIT

APPLES: STEADY. CONTROLLED ATMOSPHERE STORAGE ctn cell pack; WASH Golden Delicious USExFcy few 80s 27.00; 96s 21.50; 120s 16.50; NY MacIntosh USExFcy 100s 18.00-19.00; USFcy 80s & 100s 11.00; 120s 10.00 ctn tray pack; WASH Red Delicious USExFcy 88s 26.00; 100s 16.00-18.50 mostly 18.00 occ higher; 113s 14.50-15.50 mostly 14.50; 125s 14.00-14.50 Golden Delicious USExFcy 64s few 25.00; 88s 20.00; 100s 14.50-16.00 mostly 15.00-15.50; 113s 12.50 few 13.00; 125s 11.50 USFcy 125-138s 10.50 Red Rome USFcy 88s 14.50 ID Red Delicious USExFcy 100s 17.50; 125s 14.50; OR Red Delicious USExFcy 80s 24.00; 88s 23.00; 100s 16.00; 113s 14.00; 125s 13.00; CANADA BC Red Delicious USExFcy 88s 23.00; 100s 16.50; 113s 14.50 ctn 12-3 lb bag 2¼" min; WASH USExFcy Red Delicious 10.50 Golden Delicious 9.60-10.20; NY MacIntosh USFcy 7.20; REGULAR STORAGE ctn tray pack; CHILE Granny Smith one lot 88s 28.00; 100s 26.00; 113s 25.00.

VEGETABLES

ASPARAGUS: ABOUT STEADY. CALIF 30-lb crts & ctns jbo 19.00 few 20.00; lge 19.00-21.00 few 18.00; std 18.00-19.00; Long Green jbo 19.00 few 20.00; lge 18.00-19.00 few 20.00 ord cond 3.00-4.00; std 17.00-19.00 mostly 18.00; WASH 30-lb crt Long Green WAExFcy jbo & lge 28.00 std 27.00; NJ 30-lb crts Field Run bchd 12s lge 18.00-20.00; loose 13.00-14.00 few 15.00.

BROCCOLI: ABOUT STEADY. ctn bchd CALIF 14s 7-7.50 few 8.00 fair cond 5.00-6.00 ord cond 3.00-4.00; 18s 7.00-8.00 ord cond 3.00-4.00 one label 8.50-9.00; GA 14s one lot 4.00-5.00.

BRUSSEL SPROUTS: Mexico 25-lb crt loose one lot 5.00-8.00.

CABBAGE: SUPPLIES LIGHT. 1-¾ buctn & crt medium Green unless otherwise stated; FLA 5.00-7.00; Red 10.00; GA 5.00.

CARROTS: ABOUT STEADY. 48-1 lb film bags in film sacks; CALIF med-lge 7.50-8.50 few 7.00 fair cond 5.00 one label 9-9.25; ARIZ med-lge 8.50; FLA med 7.00-8.00 mostly 7.50; 24 2-lb film bags in film sks; CALIF med-lge 7.50 fair cond 5.00; 50-lb sks loose jbo; CALIF 10.50 ctn bchd 24s; CALIF 9.00-10.50 few 8.50; miniatures 20 12-oz film bags; FLA 5.00.

CAULIFLOWER: ABOUT STEADY ctn film wrpd; FLA 9s 9.00-10.00; CALIF 9s 9.00; 12s 8.00-10.00 mostly 9.00-10.00 few lower occ higher; 16s 9-9.50.

CELERY: ABOUT STEADY. ctns & crts; CALIF 2-2-½ doz one lot 14.00; 3 doz 11.00 few 9.00; 4 doz 10.00; FLA 2-½ doz 10.00-12.00 mostly 12.00 ord cond 6.00 3-4 doz 9.00-10.00.

MUSHROOMS: STEADY. PA 4-qt bkt med-lge 4.75 few 4.50 sml-med 3.75 few 3.50; 10-lb ctn 8.50 few 8.25 few 8.75-9.00; 10 12-oz cups 8.75.

ONIONS-DRY. YELLOW JUMBO LOWER, OTHERS ABOUT STEADY. 50-lb sacks US #1 or generally good quality Yellow unless otherwise stated; TEX Grano jbo 9.00-11.00 mostly 10.00 few 8.50 fair cond 7.00 ord cond 3.00; med 6-6.50 Repacker size 6.50-7.50; White jbo 12.00 ord cond 5.00; med-lge 6.00 ord cond 2.00; 25-lb sks Red jbo 9.00-10.00 few 8.50; med 6.00-7.00 mostly 7.00; CALIF Granex jbo one lot 7.00-8.00; NY Globe type med 4.00; sml-med 3-3.50 fair cond 2.50.

ONIONS-GREEN. ABOUT STEADY. NJ crt bchd 36s 5.00 ord cond 2.00; CALIF ctn bchd 48s 6.00 few 5.00 occ higher; MEXICO ctn bchd 48s 6.50-7.50.

PARSLEY: ABOUT STEADY. bchd 5-doz curly unless otherwise stated; FLA crt 7.00-8.00; 30s few 4.50 plain 7.50-8.50 few 7.00; NJ bubkt 7.00-8.00 mostly 7.00 plain 7.00-8.50; CALIF ctn 10.00; TEX ctn fair cond 6.00.

PEAS-SUGAR per lb. CALIF 10-lb ctn 1.50 Sugar Snaps 1.20 GUATEMALA 10-lb ctns 1.40-1.50 Sugar Snap 1.50.

PEPPERS: SLIGHTLY HIGHER. Calif Wonder type Green 1-1/9 buctns unless otherwise stated; FLA ex-lge 7.50-9.00 fair appear 6.50-7.00; lge 7.00-9.00 mostly 8-8.50 few 6.00; med 5.00-6.00 few 4-4.50 few 7.00; sml few 5.00-6.00; Mixed Red ex-lge 5.00-6.00 few 4.00; lge 4.00-6.00 few 3.50; Red lge 15.00-16.00 occ higher; med 8.00-9.00 Cubanelles; lge 12.00 few 13.00-14.00; NETHERLANDS 5-kilo ctn Red 18.00; Yellow 22.00.

POTATOES: ABOUT STEADY. 50-lb sacks U.S.#1 size A washed unless otherwise stated; ROUND WHITES ME 3.75-4.00 mostly 3.75 few 3.50 lge 6-6.50 paper sks 20-lb 1.60 baled; 10-5 lb. 5.25-5.50; 5-10 lb. 4.50; FLA new crop 7.00-8.00 few 6.50 fair appear 6.00; lge few 9.50-10.00 size B 9.00; CANADA CD#1 PEI 4.25-4.50; lge 6.00 few 6.25; ROUND REDS new crop; FLA 13.00-14.00 baled 10-5 lb film bags 17.00-17.50; ALA size B 14.50; RUSSETS 50-lb ctn counts unless otherwise stated; ID 70s 13.50-14.50; 80s 13.50-14.00; 90s 12.00-13.00; 100s 9.50-10.50 mostly 10.00 few higher; 120s 9.00; 140s few 10.00 baled; 10-5 lb film bags non-size A 10.00 few 10.50; CANADA CD#1 Russet type Prince Edward Isle 70s one lot 10.50; 80s 10.50-12.00 mostly 11.00; 90s 10.00-10.50; 100s 9.00 few lower; 120s 7.50.

RADISHES: ABOUT STEADY. ctns Red 30 6-oz film bags unless otherwise stated; FLA 4.50-5.00 mostly 5.00; White 24-8 oz film bags 4.50-5.00; NJ crt bchd 24s 5.00 ord cond 2.00.

SPINACH: SLIGHTLY LOWER. Savoy type. NJ bubkts & crts 3.00-4.00 mostly 3.50 few 4.50; PA crt bchd 4.00; Flat type; CALIF ctns bchd 24s few 7.00.

CUCUMBERS: SLIGHTLY HIGHER. 1-1/9 buctns & crts waxed medium unless otherwise stated; FLA 11.00-12.00 mostly 12.00 few higher & lower fair cond 6.00-7.00 poor cond 2.00-3.00 fair qual 6.00-9.00 mostly 7.00-8.00 fair cond 4.00; lge fair cond 4.00; Pickles sml-med 19.00-20.00; Long Seedless film wrpd 12s 6.00; CANADA ctn Long Seedless film wrpd 12s 5.00-6.00.

East Coast Carlot

Wednesday, May 8
Report supplied by USDA

Compared to Tuesday's close: Special Fed Veal firm in limited comparison. Good and Choice boning Veal steady; Inshipped not tested. Spring Lamb in light supply; 5.00 to 10.00 higher than last week. Beef trimmings 3.00 to 4.50 lower than last week.

Veal Carcass
Choice & Prime (Special Fed)
Hide On 330 Head

220-280 lbs. 175.00-180.00, firm.

Good and Choice
Boning Type
Hide On 300 Head

NORTHEASTERN SUPPLIERS: 65-75 lbs. Ltd 92.00, steady; 55-64 lbs. Ltd 90.00; 45-54 lbs. Ltd 88.00; 35-44 lbs. Ltd 86.00; 34 lbs. down Ltd 84.00; Inshipped No Sales Reported.

Spring Lamb
Carcass

Choice and Prime 3-4, 17 loads.

55 lbs. down 150.00, compared to last week 5.00 higher; 55-65 lbs. 145.00, 5.00 higher; 65-75 lbs. 138.00-140.00, 8.00-10.00 higher.

Beef Trimmings
8 Loads

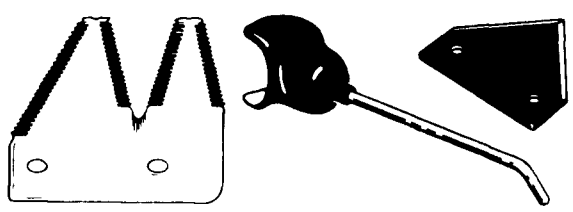
50 Pct. Chem Lean, fresh 40.00-43.00, 3.00-4.50 lower than last week.

PRICES REDUCED! JOHN DEERE CUTS YOUR HAYING COSTS.

Prices on many popular John Deere hay equipment parts have just been reduced by as much as 25 percent! Take a look

PART	PART NO.	OLD PRICE	NEW PRICE
9-ft underserrated knife	AE41703	$127 00	$95 00
Rubber ball rake tooth	AE24953	$3 59	$2 96
Underserrated section	H 21530	$ 90	$ 70
Underserrated section	E 45996	$ 90	$ 80

John Deere parts and service can help you beat the costs of making hay . . . and reduce downtime. Check out the selection of quality parts available from your Parts Pro today.



EVERGREEN TRACTOR CO., INC.
30 Evergreen Rd., Lebanon, PA.
(717)272-4641 or Toll Free
1-800-441-4450, Ext. #6

EVERGREEN TRACTOR CO., INC.

TRACTORS:

JD 3010 Diesel	$5,850
JD 4230 Quad, Sound Guard	$17,500
JD 2840, Dual Remote	$14,900
JD 2630 Diesel Tractor, Hi-Lo 540-1000	$9,750
(1) White 2-105 w/Roll Guard	Make Offer
White 2-604 Wheel Drive	Make Offer
(1) Farmall H	$950
IH 240 w/Fast Hitch and 2B Plow	$2,150
White 2-60 4WD w/Loader, 800 Hrs.	Make Offer
Ford 8000	Make Offer
IH 826 Turbo	$8,750
MF 30B Industrial	$10,950
Farmall M w/Loader	$1,650
JD B Hi-Comp	$1,250
JD 3020 Dsl Tractor	$7,350
JD 2640 late style Hi-Lo, SOLD rs	$15,500
Farmall M w/pully	$775
MM G1350 140 hp	$3,500

PLANTERS & GRAIN DRILLS:

JD 6-Row 7000 Planter w/No-Till	$8,750
JD FB-B 15x7 Drill	$650
JD 440 4 Row	$375
Ontario 15x7 New Style Drill	$1,750

MISCELLANEOUS:

20 8x38 Snap on Dual Wheels	
20 8x38 Direct Axle Dual Wheels	
18.4x38 Snap on Dual Wheels	
18 4x38 Direct Axle Dual Wheels	
14.9x38 Direct Axle Dual Wheels	
20 8x34 Direct Axle Dual Wheels	
18 4x34 Snap on Dual Wheels	
Papec #880 Grinder Mixer w/Molasses Attach - Sharp	$3,950
IH 850 Grinder Mixer	$1,450
JD 6 Row 30" Rear Cultivator	$1,250
6 Row Hyd Fold Cultivator	$1,500
14 9x26 T-rail duals	
20.8x34 direct axle, less rubber	
NH 679 tandem axle spreader, hyd. endgate	$4,500
NI Tandem Axle Spreader	
Better Bilt 1500 Gallon Tank Spreader w/ejectors	$4,450
NH #90 Bale Mover	

HARVESTERS & FORAGE EQUIPMENT:

JD 5400 4 WD Harvester 3 Row 30" Row Crop & 7' Pickup	
NH 1880 Self Propelled Harvester, 3 Row Pickup, Dsl Hydro, 600 Hrs	$23,500
NI 2 R Narrow Model 325 Pull Type Picker w/Grinder-Mixer	$4,500
(1) John Deere 34 w/One Row Row Crop	$1,550
(1) John Deere Three Row Row Crop Attachment, New Belts	$3,850

HAY MACHINES:

JD 1209 Mower Conditioner	$2,750
JD 480 Mower Conditions	$1,850
JD 14T Baler	$750
NH 479 Haybine	$3,850
Hesston Hydro-Swing Mower Conditioner	$2,750

GRAIN DRYERS:

(2) New Farm Fans AB8 Auto-Batch Dryers. MUST MOVE. CALL FOR PRICE . . . . . (Dealer Inquiries Welcome)

COMBINES & PICKERS:

(1) JD 6620LL Combine 800 Hrs	Price On Request
JD 3300 Dsl w/Cab, 343 C.H. & Rotary Screen	Price on Request
(1) IH 203 Combine, Gas w/10' Platform, P.U. Reel, 2 Row Cornhead, Cab.	$3,950

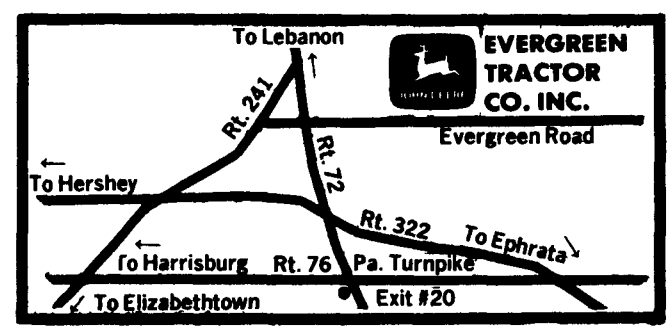
TILLAGE:

JD 11' 3 pt. Chisel	$1,450
JD 5-16" 2,500 Auto Reset Plow	$2,850
JD 3-16" F-845 Roll-Over Plow	$2,950
JD 3x16" Plow, 3 Pt.	$675
Oliver #565 4-15 Semi-Mounted Plow	$1,450
JD BWF 18' Wing Disc	$2,650
JD 10' AW Transport Disc	$950
IH 12' SOLD port Disc.	$850
AC 14' Disc Model 2313	$850
JD 210 Disc 11'x5"	$3,950
Howard 100" 1000 PTO Rotovator	$3,450
Brady 30' Field Cultivator	$5,450
JD F145 6x16 Plow	$1,850
JD F350 5x16 Plow	$2,450

NEW JOHN DEERE EQUIPMENT AT GENERIC PRICES

JD 225 Offset Disc, ¼ w/Blades, Cash	$4,450
(1) JD 2700 5-18" Plow with Cover Boards and Coulters, Cash Price	$8,600
(2) JD 415 Rotary Hoe, Cash Price	$2,295 Each

Coming in . . .
JSOLD, Planter
NH S717 Harvester w/770W PU Attch.
JD 2440 Tractor
(2) JD 1209 Mower Conditioner
JD 336 Baler w/#30 Ejector



30 Evergreen Rd., Lebanon, PA., (717) 272-4641 or Toll Free 1-800-441-4450 Ext. #6

Livestock market and auction news

Central U.S. Carlot

Beef Report
Wednesday, May 8
Report supplied by USDA

Compared to Tuesday's 4:00 P.M. report, Steer and Heifer carcasses fully steady, except some firmness on YG-4. Demand and trading moderate on moderate supplies.

The Gross Boxed Beef Carcass cutout value advanced $.01 to an estimated $95.64 per cwt, 219 loads boxed cuts reported.

Sales reported on 63 loads of steer and heifer carcasses.

Steer Carcasses: 22 loads incl. 11½ to packers and 10½ to chain stores.

Steer Beef
22 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 86.00, steady.

Choice 3 700-900 lbs. 85.00, steady.

Choice 2 600-700 lbs. 87.00-88.00.

Good 2-3 600-700 lbs. 85.00-86.00, generally steady.

GD 2 & Low 3 600-700 lbs. 85.50-86.00, most 86.00, steady.

Heifer Beef
41 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 85.00, ld 84.00, steady.

Choice 3 500-550 lbs. 85.00, no comparison.

Choice 3 400-500 lbs. 83.00, no comparison.

Choice 2 600-700 lbs. 86.00-87.00, no comparison.

Choice 4 500-700 lbs. 66.00-67.00, stdy to 1.00 hgr.

Good 2-3 550-700 lbs. 83.00-84.00, mst 84.00, mst steady.

Gd 2 & Low 3 600-700 lbs. 83.50-84.00, mst 84.00, mst steady.

Steer and Heifer
Primal Cuts:
2 Loads
FOB Omaha Basis

Choice 3 Fores 130-210 lbs. 63.00-63.50.

Cow Beef
42 Loads

Midwest: Prices generaly steady, undertone firm on cutters.

Eastern Texas and Oklahoma: Prices 1.00 to mostly 2.00 lower than last week. Demand light on light to moderate supplies. Some utility shipped to the Midwest.

Sales in the Midwest Production Area:

FOB Omaha Basis

Brk Utlty 1-3 450&up lbs. 67.00.

Bng Utlty 1-3 400&up lbs. 69.50.

Cutter 1-2 350&up lbs. 75.00.

Sales In Eastern Texas And Oklahoma Production Areas

Bng Utlty 2-3 450&up lbs. 66.50.

Bng Utlty 1-3 400&up lbs 69.00-70.00, 71.00.

Cutter 1-2 350&up lbs. 73.00-73.50, mst 73.00, 74.00.

Boneless Processing Beef/ Beef Trimmings
161 Loads
FOB Omaha Basis

90% Chem Lean, Fresh 103.00..

50% Chem Lean, Fresh 37.00-40.00, Bulk 37.00-37.50.

Eastern Texas and Oklahoma Production Areas
FOB Plant

90% Chem Lean, Fresh 102.00-104.00, bulk 103.00.

90% Chem Lean, Frozen 104.00.

85% Chem Lean, Fresh 97.00.

65% Chem Lean, Fresh 71.00.

50% Chem Lean, Fresh 39.00.

Carlisle Livestock

Carlisle, Pa.
Tuesday, May 7
Report supplied by auction

CATTLE: (300). Steers: 1.00 Lower on Good Run; Good 52.00-54.00; Good Holsteins 47.25-50.10; Medium 47.75-50.00 Holsteins 41.00-46.00. Heifers: Medium-Good 43.00-50.75. Cows: Steady and Active; Strong Demand For Good Cows High Yield 42.00-43.85; Good 40.00-42.00; Medium 38.00-40.00 Big Middle 37.50-42.25; Shelly 37.00 down. Fat Bulls: Medium 46.75-49.50.

FEEDER CATTLE: (162). Active bidding with strong demand for Good & Choice Steers and Heifers. Steers (300-550 lb.) Medium & Good Mostly Holsteins. Choice 63.00-66.00; Good 58.00-62.00; Medium 52.00-57.00; Culls 45.00-51.00. Steers (600-850 lb.) Medium & Good mostly Holsteins. Choice 60.00-65.50; Good 54.00-58.00; Medium 43.00-53.00. Heifers (all weights) 1.00 higher on Large Run. Choice 52.00-58.00; Good 45.50-51.00; Medium 41.50-45.00. Bulls (all weights) Good 54.00-59.00; Medium 49.00-50.00.

VEAL CALVES: (145) Steady Prices. Good 70.00-80.00; Medium 60.00-69.00; Light 51.00-59.00 few down weak 50.00; Farm Bulls 70.00-83.00.

HOGS: Barrows & Gilts .50-1.00 higher on 1 & 2's. (Tues. & Wed. Supply 700 head) 210-250 lbs. 42.50-44.75 over 260 lb. 37.00-41.25; Under 200 36.00-39.00; 2 & 3's 34.10-34.85.

SOWS: Heavy 4.00 lower than last week. Over 450 lb. 34.75-38.50 under 450 33.25-33.75; 2 & 3's 28.50-30.25; Boars heavy 30.50-32.50; Light 33.00-35.50.

FEEDER PIGS (45) (by the hd) (20-25 lbs. 18.00-22.00) 30-35 lbs. 29.00-33.00) (40-50 lbs. 34.00-39.00 hd.).

SHEEP: (24) Lambs: Choice 70.00-74.00; Ewes 23.00-27.00; EWES 10.00-28.00 lb. Goats: (14) (Lg) 40.00-48.00 (hd); Sm./Med. 14.00-26.00 (hd).

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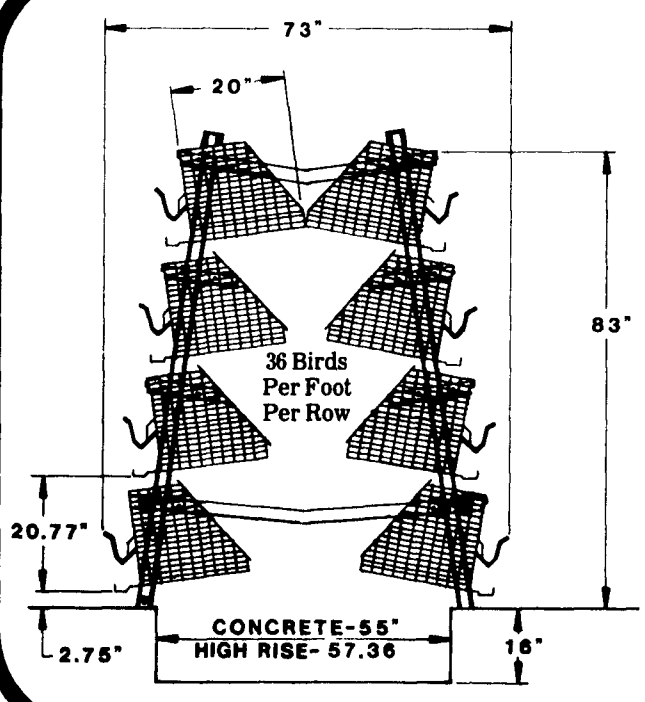

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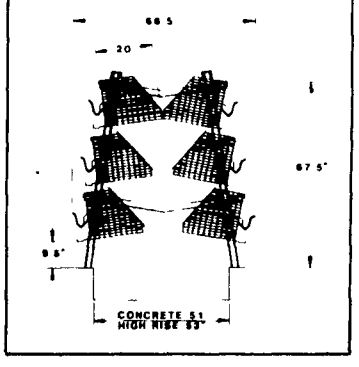

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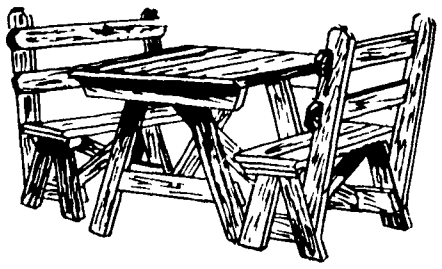

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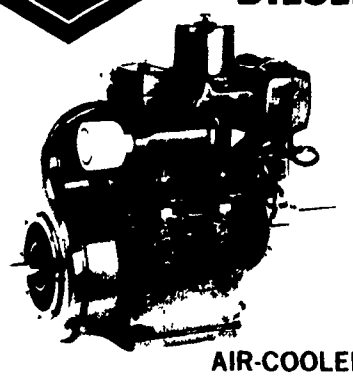

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DEALER INQUIRIES INVITED

Livestock market and auction news

Middleburg Livestock

Middleburg, Pa.
Tuesday, May 7, 1985
Report Supplied by Auction

CATTLE 339: Compared with last Tuesday's market, slaughter steers 50 cents-$1 lower; Cows 75 cents-$1 lower. High Choice & Prime slaughter steers 54.50-57.75, Choice 1130-1530 lbs. few Good 48-51.75, few Holsteins 45.00-46.50, Choice 47.25-51.85, one 53.35, few Standard 42.00-44. Few Choice slaughter heifers 52-57.85, few Good 46.00-48.00. Breaking Utility & Commercial slaughter cows 38.75-43.10, Cutter & Boning 37.00-41, Canner & Low Cutter 33.85-37, Shells down to 31. Individual Choice slaughter bullock at 55.00, few Good 50.00-52. Yield Grade No. 1 1175-1750 lbs. slaughter bulls 45.50-54.75.

FEEDER CATTLE: Medium Frame #1 4-700 lbs. steers 55.00-62. Heifers 750-1000 lbs. holsteins 42.50-49.00.

CALVES 131: Few Prime vealers 84.00-90, Choice 66.00-76, Good 58.00-65, Standard and Good 70-110 lbs. 48.00-53, few Utility 60-85 lbs. 40.00-45.

FARM CALVES: Holstein Bulls 90-125 lbs. 65.00-82.00.

HOGS 487: BARROWS AND GILTS ABOUT STEADY. US No. 1-2 210-235 lbs. barrows and gilts 42.50-43.75, (25 head at 44.60), No. 1-3 190-250 lbs. 41.50-42.50, No. 2-3 200-270 lbs. 35.50-41.50. US No. 1-3 350-640 lbs. sows 36.00-38.50, No. 2-3 3-500 lbs. 33.00-36.00. Boars 28.25-31.00.

FEEDER PIGS 166: US No. 1-3 25-35 lbs. feeder pigs 28.50-35 per head, 35-55 lbs. 35.00-42.00 per head.

SHEEP 6: Couple Choice 60 lbs. spring slaughter lambs 69.00 & 74.00.

Oklahoma Cattle

Wednesday, May 8
Report supplied by USDA

Estimated Receipts: 3000

Feeder Steers firm to 1.50 higher. Feeder Heifers steady to 1.00 lower. Steer demand good. Heifer demand light. Trading, especially on Steers, spurred by purchases for futures deliveries & by buyers that were filling out truck-loads. Bulk supply Medium Frame 1 and Mixed 1-2 500-900 lb. Steers and 450-800 lb. Heifers.

FEEDER STEERS: Medium and Large Frame 1 200 lb. 86.75; 400-500 lb. 72.50-77.00; few lots 500-600 lb. 68.50-70.25; 600-635 lb. 65.80-67.90 these suitable for grass; 625-700 lb. 62.00-63.70; 700-800 lb. 59.00-63.40 bulk 60.00 up; 800-875 lb. 58.50-61.50; 875-975 lb. 57.20-57.70. Medium and Large Frame Mixed 1-2 450 lb. 72.60; 475 lb. 71.00; 500-600 lb. 63.25-67.75, lot 510 lb. 69.10; 600-700 lb. 60.00-63.00, lot 610 lb. 64.90; 700-800 lb. 58.00-60.00 instances 60.00-62.00; 800-850 lb. 56.70-59.75, lot 810 lb. gaunt 60.80. Medium and Large Frame 2 500-550 lb. 61.20-65.00; 650-900 lb. 54.00-58.00. Large Frame 2 Holsteins 335 lb. 57.75: 500-550 lb. 49.80-52.20.

FEEDER HEIFERS: Medium few Large Frame 1 200 lb. 71.75; 400-500 lb. most fleshy 58.00-64.50; 500-600 lb. 56.00-60.60; 600-800 lb. 55.00-57.40 bulk 56.00 up; lot 835 lb. 54.80. Medium and Large Frame Mixed 1-2 395 lb. 63.00; 400-500 lb. 57.50-62.00; 500-600 lb. 55.25-57.00; 600-700 lb. 54.00-56.50. Medium and Large Frame 2 450 lb. 57.00; 475-600 lb. 52.70-54.75; 600-750 lb. 51.00-54.00.

Weekly Trends: Feeder Steers 1.50-3.00 lower. Feeder Heifers 2.00-4.00 lower. Slaughter Cows steady to 1.00 lower. Slaughter Bulls 1.00-2.00 lower.

Farmers Market

Duncansville, Pa.

CATTLE 189: Choice 55.00-57.50. High Good and Low Choice 51.00-53.25, Good 49.25-50.50, Good & Choice Holsteins 45.00-48.75, Standard 42.10-44.25, Utility 38.25-41.25. Choice sl. Heifers 48.00-55.50, Good 45.00-47.25, Standard 40.25-43.00, Utility 36.00-39.25. Breaking Ut. & Commercial sl. cows 41.00-44.50. Cutter & Boning Ut. 36.00-39.50, Canner & Low Cutter 31.00-34.50, Shells down to 23.50. Choice sl. Bullocks 48.00-51.00, Good 45.00-47.25, Standard 42.00-44.25, Utility 38.00-41.00.

FEEDER CATTLE: Steers Good 61.00-64.00, Standard 52.00-58.00, Heifers Good 48.00-54.00, Standard 41.00-46.00. Bulls Good 52.00-61.50 Standard 41.00-46.00.

CALVES 302: Vealers Choice 81.00-88.00, Good 71.00-76.00, Standard 58.00-68.00, Standard & Good 90-120 lb. 51.00-55.00. Utility 50-70 lbs. 45.00-50.00.

FARM CALVES: Holstein bulls 90-130 lbs. 64.00-84.00, Holstein Heifers 90-130 lbs. 56.00-79.00.

HOGS 149: Barrows & Gilts US No. 1-2 220-240 lbs. barrows and gilts 41.00-42.00, No. 1-3 200-260 lbs. 38.25-39.50. No. 2-3 180-360 lbs. 33.25-36.75, Sows US No. 1-3 350-600 lbs. sows 38.50-41.25, No. 2-3 350-600 lbs. 33.50-36.75. Boars 25.50-28.00, Light weights 29.00-31.50.

FEEDER PIGS 36: US No. 1-3 20-25 lbs. feeder pigs 18.00-25.00 per head, No. 1-3 40-60 lbs. 27.00-34.00.

SHEEP 9: Spring or Wooled Sl. Lambs High Ch. & Pr. 100 lbs. 61.00-66.00, Choice 60-80 lbs. 51.00-58.00. Slaughter Ewes 14.00-18.00.

GOATS 14: 18.00 to 32.00 per head.

Central U.S. Carlot

Pork Report
Wednesday, May 8
Report supplied by USDA

Compared to Tuesday's 4:00 P.M. report, Fresh Pork Loins steady to 2.50 higher. Skd Hams steady to 3.00 higher. Sdls Bellies firm to 2.00 higher. Trade demand and offerings moderate.

US No. 1&2 175 Lb. Pork Carcass cutout value advanced $.83-.87 pet cwt.

Sales Reported on 57 loads of Fresh Pork Cuts, and 4 Loads of Trimmings and Boneless Processing Pork.

Fresh Pork Cuts

LOINS (Regular): 14-18 lbs. 80.00-83.00, steady to 2.50 hgr; 14-18 lbs. 78.00, late 5/7/85; 22&Up lbs. 78.00, steady.

BOSTON BUTTS: 4-8 lbs. 60.00-63.00.

SPARERIBS: (Frozen) 3.5-5.5 lbs. 110.00.

SKINNED HAMS: 14-17 lbs. 63.00, steady; 17-20 lbs. 58.00, 2 lds. 55.50-56.00, 3.00 higher.

BELLIES (Sdls - Skin On): 12-14 lbs. 54.00-55.50, no comparison; 16-18 lbs. 53.00-55.25, 1.50-2.00 higher; 18-20 lbs. 48.00, firm; 20-25 lbs. 45.50, firm.

Pork Trimmings
Boneless Processing Pork
(Chemical Lean)

42% Lean Trimmings, Fresh 32.00, 1.00-1.50 lower.

72% Bnls Picnics, Fresh 63.00, steady.

Joliet Cattle

Thursday, May 9
Report supplied by USDA

CATTLE: Friday through Wednesday's salable receipts 1,000; 5 days last week 1232; same period a year ago 1139. Trading slow for the week, Slaughter Steers and Heifers ended the week 1.00-1.50, instances 2.00 lower compared with Wednesday of last week.

SLAUGHTER STEERS: Choice 2-4 1100-1380# 54.00-56.00 Monday; 54.00-54.75 Wednesday. Mixed Good and Choice 2-3 1000-1150# 53.00-54.50.

SLAUGHTER HEIFERS: Choice 2-4 925-1150# 53.00-53.75 Monday; load 52.50 Wednesday, load Choice 3-4 1100# 51.50 Wednesday. Mixed Good and Choice 2-3 900-1050# 51.00-53.00 Monday; 51.00-52.00 Wednesday.

COWS: Canner and few Cutter 1-2 30.00-34.00.

Jersey Shore, Pa.

Thursday, May 7
Report Supplied by Auction

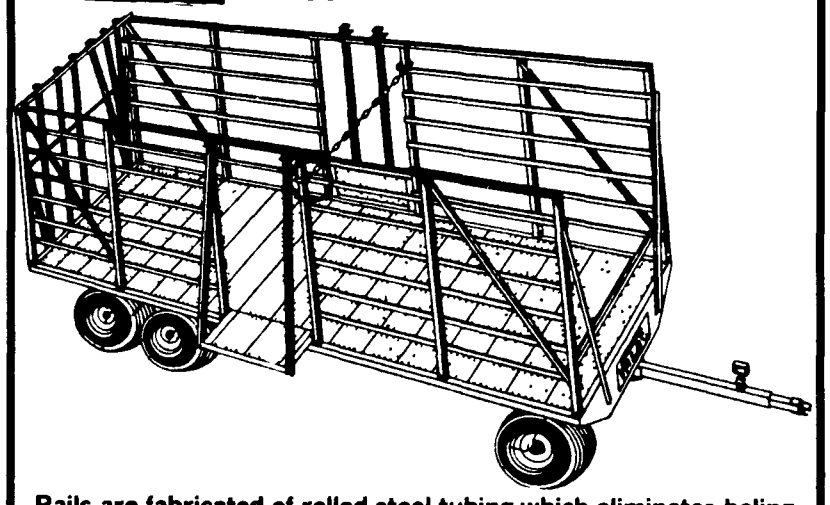
Return to Farm Calf 60.00-78.00.
Good Veal 60.00-77.00.
Common Veal 42.00-56.00.
Choice Steers 54.00-57.00.
Good Steers 48.00-53.75.
Common Steers 44.00-47.00.
Commercial Cows 38.00-42.00.
Canners-Cutters 36.00-41.00.
Shells 30.00-35.00.
Choice Heifers 48.00-54.00.
Good Heifers 44.00-48.00.
Common Heifers 39.00-43.00.
Good Feeders 56.00-63.00.
Common Feeders 35.00-56.00.
Bulls 44.00-53.00.
Good Hogs 41.00-41.75.
Sows 35.00-36.50.
Roughs 27.00-28.00.
Eggs 40.00-48.00.

North Jersey Livestock

Hackettstown, NJ
Tuesday, April 30
Report supplied by auction

Calves- 16.00-90.00.
Cows 29.00-43.75.
Easy Cows 10.00-38.25.
Heifers 33.50-49.00.
Bulls 43.00-51.25.
Steers 41.00-57.00.
Hogs 30.00-40.00.
Roasting Pigs, each 2.00-38.00.
Boars 29.50-33.00.
Sows 15.00-33.00.
Sheep 23.00-61.00.
Lambs, each 21.00-58.00.
Lambs, per lb. .53-.87.
Goats, each 30.00-82.00.
Kids, each 14.00-40.00.
Hides, each 3.00.
Total 986.

VALAC INC. KICKER RACK



Rails are fabricated of rolled steel tubing which eliminates baling twine breakage. Access doors with foot boards on both sides are standard equipment.

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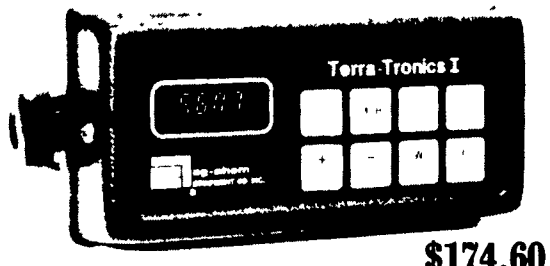

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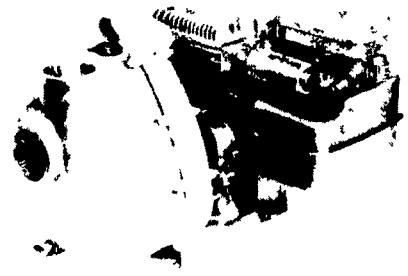

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Livestock market and auction news

North Jersey Livestock

Hackettstown, NJ
Tuesday, May 30
Report supplied by auction

Calves- 25.00-83.00.
Cows 32.50-44.25.
Easy Cows 5.00-40.50.
Heifers 34.25-46.50.
Bulls 38.75-55.00.
Steers 41.25-62.00.
Hogs .33-.53.
Roasting Pigs, each 27.00-36.00.
Boars 31.00-36.00.
Sows .32-.34.
Sheep .17-.47.
Lambs, each 20.00-68.00.
Lambs, per lb. .48-.95.
Goats, each 25.00-80.00.
Kids, each 13.00-40.00.
Hides, each 15.00.
Total 1065.

Weekly Summary

Harrisburg, Pa.
Friday, May 10
Report Supplied by PDA
15 Livestock Markets

CATTLE: 7729. Compared with 7829 head last week, and 9671 head a year ago. Compared with last week's market: Sl. steers and heifers weak to 2.00 lower; cows steady to .50, spots 1.00 higher; bullocks not tested; bulls mostly steady to 2.00 lower. Sl. Steers: High Choice & Prime 3-4 52.00-56.75, Choice 2-4 51.00-57.00, Good 48.00-55.00, Standard 45.00-51.00. Sl. Heifers: Choice 50.00-55.00, Good 49.00-53.50, Standard 44.00-49.00. Sl. cows: Breaking Utility & Commercial 39.50-43.75, Cutter and Boning Utility 37.00-41.50, Canner and low Cutter 33.50-39.00, Shells 20.00. Sl. Bullocks: few Good 49.00-53.75, few Standard 45.50-50.00. Sl. Bulls: Yield Grade 1 1000-2200 lbs. 45.00-53.50, few No. 2 950-1500 lbs. 41.00-45.50.

FEEDER CATTLE: Medium Frame 1 300-700 lb. steers 55.00-70.00; Large Frame 2 300-850 lbs. 42.00-50.00. Heifers Medium Frame 1 300-600 lbs. 47.00-60.00. Bulls Medium Frame 1 325-650 lbs. 46.50-60.00.

CALVES: 3007. Compared with 3336 head last week, and 3948 head a year ago. Compared with last week's market: Vealers steady to 5.00 higher. Prime 95.00-117.00, Choice 80.00-92.00, Good 65.00-85.00, 110-130 lbs. 58.00-86.00, 90-110 lbs. 50.00-60.00, 65-90 lbs. 45.00-55.00.

FARM CALVES: Hol. bulls 90-130 lbs. 55.00-95.00, mostly 60.00-82.00; heifers 90-135 lbs. 57.00-79.00.

HOGS: 6039. Compared with 6598 head last week, and 8858 head a year ago. Barrows and Gilts mostly steady to 1.50 higher. US 1-2 210-245 lbs. 42.50-43.75, 1-3 210-250 lbs. 40.00-42.50, 2-3 220-285 lbs. 35.50-39.75, 1-3 150-200 lbs. 34.00-39.00; Sows weak to 1.00, spots 3.00 lower. 1-3 300-650 lbs. 33.00-38.00, 2-3 200-700 lbs. 30.00-36.00, Boars 28.00-32.50.

FEEDER PIGS: 846. Compared with 915 head last week, and 1327 head a year ago. Uneven. US 1-3 20-35 lbs. 20.00-29.00 per head, 35-50 lbs. 30.00-42.00 per head.

3 GRADED FEEDER PIG SALES: 2399. Compared with 1800 head last week, and 2911 head a year ago. Feeder pigs uneven, weights under 40 lbs. 3.00-10.00 higher, over 40 lbs. 2.00-9.00 lower. US 1-2 20-40 lbs. 92.00-130.00, 40-50 lbs. 76.00-90.00, 50-60 lbs. 70.00-89.00, 60-80 lbs. 65.00-75.00, 2-3 20-30 lbs. 96.00-118.00, 30-50 lbs. 76.00-90.00.

SHEEP: 1007. Compared with 1223 head last week, and 1249 head a year ago. Spring sl. lambs uneven, high Choice & Prime 60-110 lbs. 75.00-87.00, Choice 45-100 lbs. 75.00-80.00, Good 35-70 lbs. 15.00-75.00, Sl. sheep 12.00-27.00.

Maryland Tobacco

Week of May 6

	This Week	Same Period, '84
Total Pounds	3,205,174	
Net $ Paid	$4,015,350	
Daily Ave./Cwt.	$125.67	
Lbs. for Season	28,591,210	26,487,326
Net $ Paid	$39,993,344	$27,760,206
Season Ave./Cwt.	$139.88	$104.80

This report concludes the Maryland auction season.

Delaware farm mishaps drop

NEWARK, DE – Results of a recent survey by the Delaware Cooperative Extension Service show a sharp drop in the number of farm accidents in the state over the past five years.

"These results are very encouraging to all of us who have been involved in accident prevention on Delaware farms," says University of Delaware extension safety specialist Ron Jester.

The study, which was conducted in cooperation with the Delaware Farm Bureau, Delaware Grange and Southern States Farm Home Advisory committees, showed that during 1983-84 there was one accident for every seven farms–down 30 percent from a similar 1977 study. Accidents among Delaware farm youth dropped by an impressive 50 percent during the same period.

"These findings mean that farmers are more safety conscious and are eliminating more needless accidents," Jester says. Lost time and the economic strain of accidents are also being reduced. In medical expenses alone, this represents a saving of more than $146,000.

Among other things, the 1983-84 survey showed that:

* Delaware farmers experience an average of 425 disabling injuries per year.

* Of all farm injuries, 83 percent are severe–meaning professional medical care was required.

* Husbands continue to suffer the most accidents–one out of every three–with full-time hired employees sustaining the second highest number of accidents.

* In 60 percent of all farm accidents, power tools, animals or farm machinery are involved.

* Chemicals account for 7 percent of all accidents.

* One-third of all farm accidents occur while machinery maintenance is being performed.

* Over 50 percent of all agricultural work-related accidents involve injuries to the arm, hand, and fingers. Thirteen percent involve eye injuries.

* Most accidents occur at harvesttime.

According to the survey, the Delaware accident rate (number of accidents per million man-hours) for all age groups was 15.10. This compares favorably with the 15.4 farm work accident rate for the Mid-Atlantic Region. In all age categories, the state's farm accident rate was down from 1977, with young people experiencing the greatest drop.

Accidents among 15- to 24-year-olds were reduced by half, which means that half as many young farmers and farm workers were involved in accidents. "The extension service has worked with 4-H, FFA, and other youth organizations to promote farm safety," Jester says. "Last year's study shows we're making significant progress." Unfortunately, the survey did not provide an adequate sample to establish a rate for 5- to 14-year-olds.

A major finding of the study was that a significant portion of work accidents involve power tools. Consequently, Jester plans to place more emphasis on farm shop safety in future extension safety programs.

"For economic reasons, farmers are doing more maintenance and repair work on their own equipment. With increased exposure to power tools, more accidents with these tools are inevitable," the specialist says. "Incidentally, only one percent in our survey involved a chain saw, which is considered one of the most dangerous power tools in use. The fact is, by taking proper precautions and using personal protection equipment, many power tool accidents can be prevented."

Jester says results of this latest Delaware farm accident study reinforce the basic philosophy of the extension safety program–that safety education can reduce accidents.

"The Occupational Safety and Health Administration recognizes this fact and now has safety training requirements on many of its standards," the specialist concludes. "The Delaware Cooperative Extension Service also recognizes this fact and will continue to promote safety education on Delaware farms. Our goal? Safer farms through the elimination of needless accidents."

Tick sprays

WASHINGTON – Two types of commercial tick repellents have been found to protect people against the tiny tick that transmits Lyme disease, by far the most prevalent tick-borne disease afflicting humans in this country, according to an entomologist with the U.S. Department of Agriculture's Agricultural Research Service.

The painful disease, first identified in Old Lyme, Conn., a decade ago, is characterized by a lesion at the site of the bite and sore and swollen joints.

The disease has been spreading from New England in recent years to include at least 14 States. The number of verified cases was 600 in 1983 according to the Centers for Disease Control in Atlanta; the 1984 count could top 1,000. Recently some cases have been found in the West.

Lyme disease is contracted most often between May 1 and mid-July, when the tick (Ixodes dammini) is in the nymph stage and the disease it carries is most virulent. The tick is shiny brown and about twice as large as the head of a pin.

Carl E. Schreck, an entomologist with the Agricultural Research Service, tested tick repellents in pressurized cans containing two different active ingredients on a tick-infested island near Hyannis, Mass.

He reports that a 0.5 percent permethrin spray provided complete protection against attack by all life stages of the tick. So far, the permethrin spray is sold in only 22 states.

Schreck also tested a repellent containing deet, a chemical widely available as a mosquito repellent.

Schreck cautioned that not only hikers, but swimmers and sunbathers along the New England and Middle Atlantic coastlines, run a risk of picking up ticks when they walk along grassy or wooded trails.

"The best bet is to wear high socks, slacks, coveralls, or other protective clothing that has been freshly sprayed with tick repellent when walking to and from the beach," said Schreck, adding that additional repellent should be applied every few hours.

"After trips to infested areas," Schreck said, "you should examine yourself carefully for ticks, particularly in areas where clothing has been tight, as along a belt line."

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SOYBEAN EXPO to be held Aug. 11-13 in San Antonio

ST. LOUIS – CBS news anchor Charles Osgood and former Wisconsin Governor Lee Sherman Dreyfus head the list of speakers who will address farmers attending the American Soybean Association's (ASA) SOYBEAN EXPO to be held in San Antonio, TX, Aug. 13-16.

The four-day program at the San Antonio Convention Center features a trade show of over 150 exhibitors, 20 Soy Profit Sessions, a marketing seminar and special programs for women and youth.

Aimed at helping farmers increase soybean profits, the SOYBEAN EXPO program features over 50 hours of educational sessions with speakers on a wide range of topics. Farmers may attend eight of the 75-minute sessions on topics that include marketing, weed control, financial management, husband and wife communications and computers.

The Lettermen head a list of EXPO entertainment attractions. The well-known singing group will entertain EXPO participants at the annual award show. Other activities include tours for women and children and an evening of food, music and entertainment at La Villita, a reconstructed San Antonio settlement adjacent to the convention center.

EXPO is open to any soybean farmer. The program gets underway at noon on Tuesday, with a three-hour seminar on ag options trading. The trade show opens Tuesday evening and is open through Friday morning.

The General Session and the first series of five Soy Profit Sessions are held on Wednesday morning.

Special programs for women and children are presented throughout the four-day program.

The registration fee of $95 for Soybean Association members includes eight meals, program and special entertainment three of the four evenings. A number of special discount airfares have been arranged to help cut travel costs to and from San Antonio.

For information on registration write, American Soybean Association, Box 27300, St. Louis, MO 63141 or call 314-432-1600.

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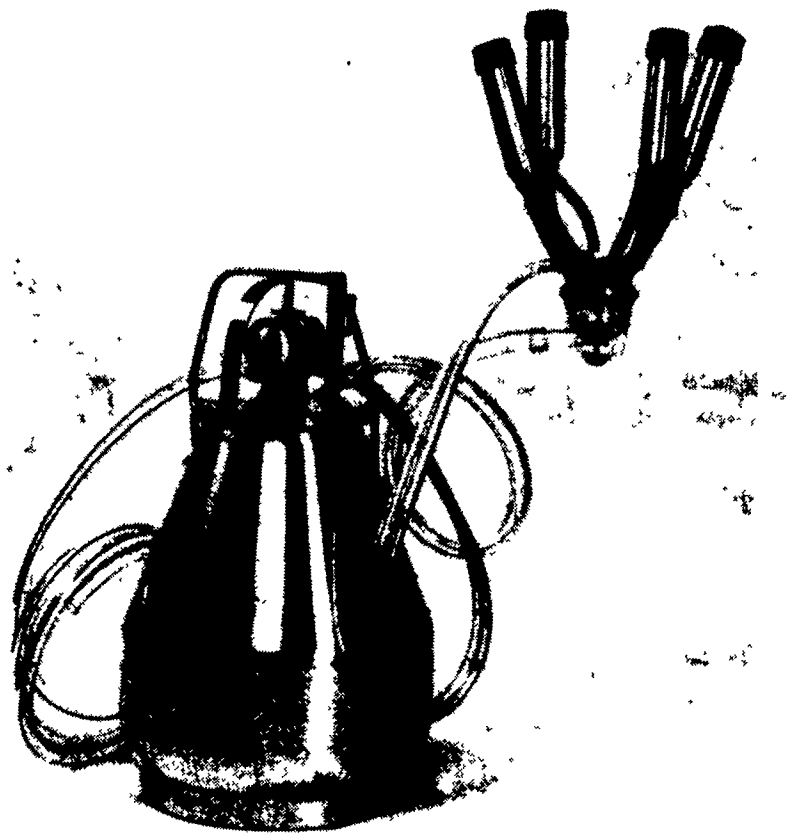

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"Cherry Blossom" blooms at Washington County Calf Sale

"Cove-Run SWD Cherry Blossom--ET" commanded the top bid of $3200 at Washington County's Cherry Blossom Calf Sale. Behind the calf is buyer Mark Krauss and Chris Hamilton is at the halter. In the box are consignor and pedigree reader Oren Bender (left) and auctioneer J.O. Fenstermaker

WASHINGTON — The Washington County Holstein Club's annual "Cherry Blossom Calf Sale" saw a December 1984 S-W-D Valiant daughter top the sale at $3200

And, appropriately enough, the heifer was named "Cove-Run SWD Cherry Blossom - ET."

Consigned by Oren Bender, Accident, Md., this impressively pedigreed calf has two generations of Excellent dams behind her, with records up to 29,728 pounds milk and 1051 pounds fat.

Cherry Blossom was purchased by Mark Krauss, Rising Sun, Md.

A total of 39 calves were sold for an average of $704. Purchasers included Holstein breeders from Washington and several surrounding Pennsylvania counties, as well as Ohio, West Virginia, and Maryland.

Dr. David Welch, Rainbow Connection, of Berlin, consigned the second highest selling calf. The December 1984 Marshfield Elevation Tony daughter commanded the bid of $2000 from Glen and Larry Cain, Ohio.

The calf's VG-88 dam has records to 27,979 pounds milk and 1115 pounds fat at 4.0 percent test. The second dam of this well-pedigreed calf has a lifetime record to date of 229,028 pounds milk and 8990 pounds fat.

Third high selling calf was a September 1984 S-W-D Valiant daughter consigned by Dale Wack, Senaca-Althea Syndicate, Harmony.

She was purchased for $1500 by Jackson Farms, of Fayette County. The calf's dam is scored Ex-90 and has records at 7 years and 11 months of 24,340 pounds milk and 906 pounds fat.

A September 1984 A Maries Thunder daughter consigned by Don and Cheryl Glessner, Berlin, was selected by Arthur Moore, Mercer, for $1250.

At $1000 each, a January 1985 S-W-D Valiant calf consigned by Lee Hamilton, Claysville, was purchased by Dave Lash, of Westmoreland County; a March 1984 Sooner Elevation Chip heifer consigned by Randy and Kim Brown, Acme, was purchased by William Cree, Carmicheals; and a November 1984 Leadfield Columbus was consigned by Mark Campbell, Ford City, and purchased by Beth Sherman, of Clarion County.

The sale management commended the selectors and consignors for the quality calves which contributed to the success of this year's Cherry Blossom Calf Sale in Washington County.

Powdery mildew

NEWARK, Del. — University of Delaware extension plant pathologist Bob Mulrooney warns farmers that powdery mildew has been developing rapidly on wheat during recent weeks.

In wheat variety trials located in Middletown, Woodside and Georgetown, Del., he has observed high levels of infection on the varieties Severn, Hart and Adena. He found moderate levels on Wheeler, Potomac, Pike, Hunter, Blazer, and Abe.

The next lowest level of infestation was on Tyler, Titan, Saluda, Pioneer 2550, Magnum, McNair 1003, Coker 916, Coker 762, Coker 747 and Arthur. Feland had high levels at Georgetown and Woodside, but low ratings at Middletown. Farmers should check this variety if they are growing it. No infection was present on Massey.

Mulrooney encourages growers to examine fields regularly for powdery mildrew. Consider the following factors when making a spray decision: level of infection, level of plant resistance, yield potential, stage of crop development and weather conditions. "Remember," he says, "fungicides won't increase yields but they will protect existing yields."

The plant pathologist recommends applying fungicides between the second joint stage and boot stage when the following conditions exist:

- Powdery mildew covers 5 to 10 percent of the upper two leaves,
- A susceptible variety is grown,
- Yield potential is high (60 to 70 BU/A),
- Favorable weather conditions for disease development persist.

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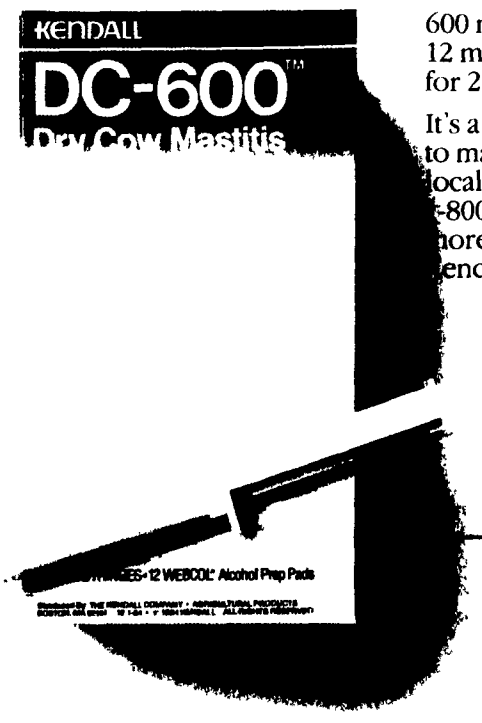

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"Boring details" put the McPhersons in a class by themselves

BY JOYCE BUPP
Staff Correspondent

NEW PARK – Not everyone might call successful farming a matter of attending to "boring details."

But according to New Park grain and fruit grower, Paul McPherson, paying attention to miniscule management decisions will make the difference between red or black ink on the books at the end of the year.

Farm Futures magazine agrees with McPherson's view, and recently selected him one of four runners-up in their national best managed farm contest. In three years of being nominated for the honor, McPherson has finished in the top 100, and then in the 25 finalists, before his most recent recognition.

He's the lone winner in the Northeast, in a competition heavily weighted with entries from the Midwest, as well as being the only fruit grower, and sole finalist into the direct marketing business.

The contest is based primarily on records-keeping and management skills, to determine if entrants "know what they're doing - and why." The majority of this year's 25 finalists are grain and/or livestock producers, with average assets of $5.2 million, and showing gross sales of $2.09 for every dollar of expenses.

McPherson and his wife Gail own Maple Lawn Farms, with nearly a thousand acres owned and rented, cropped to corn and fruits. Along with those commodities, they operate a country elevator and fertilizer business, and run a successful and innovative retail market located 30 miles from the nearest major population center.

He's quick to turn thumbs-down on the notion that agriculture is totally unique from other business enterprises.

"A business is a business," McPherson figures. And, his management decisions are made by solidly adhering to that policy. It's an approach that sent him cutting back in size when most of agriculture was still expanding.

After five years of poor peach crops due to continuing adverse weathere from drought and unseasonal frosts, McPherson stepped back in 1979 for a serious look at where he was, and where he wanted to go from there. What he saw was that neither the fruit end of the business, heavily oriented to peach production, or the grain cropping, was proving profitable.

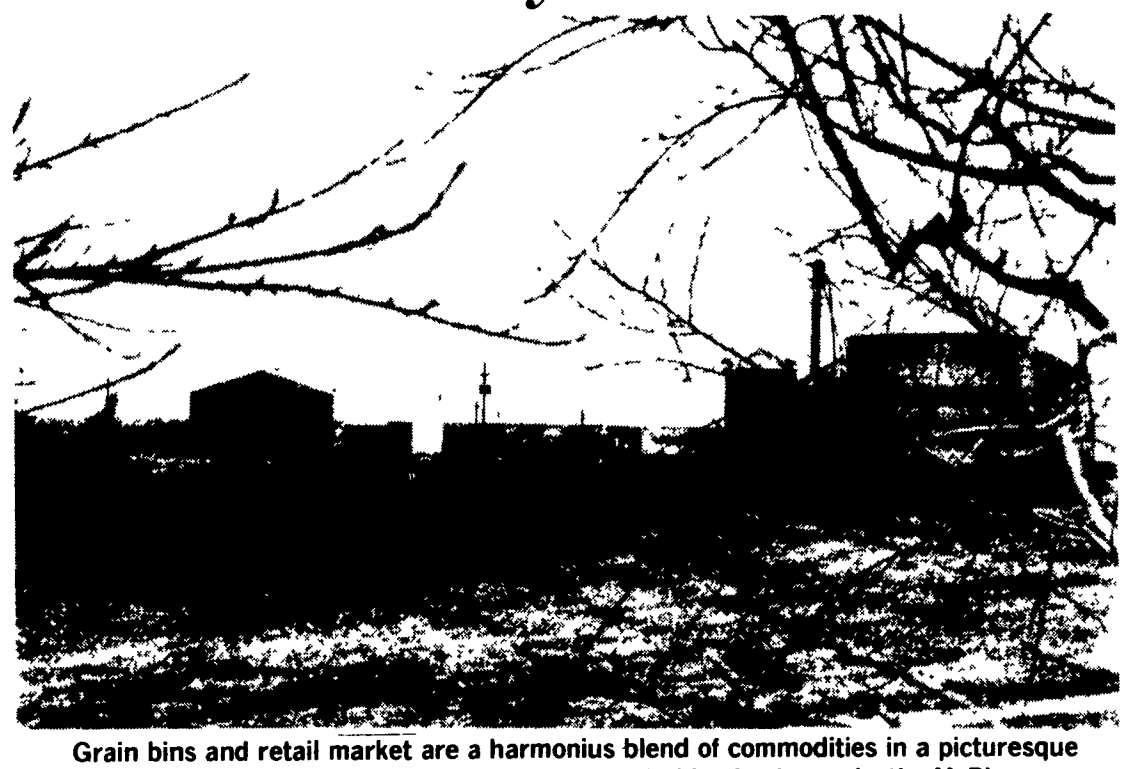
"Fruit production is one of the few kinds of agriculture in which you may have to go through a whole year of growing, knowing already early in the season that there won't be a crop," he says.

Labor problems, with intensifying regulations aimed at employers of migrant labor, also contributed to McPherson's decision to rethink his direction.

Costs on fruit production are basically fixed, he adds, at somewhere in the $1500 to $2,000 per acre range. Reduced acreage, with higher yields, seemed a logical step toward McPherson's 1979 goal of making every operation at Maple Lawn Farms pay its way.

Along with reduced acreage, the New Park grower opted to renovate the approximately 200 acres that would stay. That meant bulldozing out old established varieties and replanting with newer types which began ripening earlier, and others geared toward later harvest. Extending the harvest season, would stretch out the workload so that it could be handled by a crew of local employees. Plantings were intensified, with trees set closer together, and trickle irrigation equipment added as a hedge against drought.

Pick-your-own has long been a part of McPherson marketing techniques. Because the bulk of customers come a distance, from York or the Baltimore-Washington area, a heavy schedule of newspaper advertising, plus newsletters designed and written by Gail, began to play a large part in customer relations.



Grain bins and retail market are a harmonius blend of commodities in a picturesque orchard setting at the Maple Lawn operation. Not afraid to buck trends, the McPhersons were sizing down their business when most of agriculture was still expanding.

More diverse crops for their customers were needed as well, McPherson decided. So along with the replanting of peach acreage came additions of strawberries, and blueberries, as well as cherries, nectarines, and semi-dwarf apples more easily handled by U-pick customers and farm crew.

While McPherson saw yields of 200-250 bushels per acre of peaches before the renovation plan, which is scheduled for completion in 1987, his goal is to take 500-600 bushels per acre off 120-130 acres of peach plantings.

"That's better than having 300 acres at 200 bushels," says McPherson, "and it enables us to produce much higher quality fruit."

Along with orchard renovation has come remodeling of a portion of the packing house into a cypress-fronted, two story retail sales market and office facility.

Designed by the McPhersons, the market is in the final stages of being readied for summer customers, with plenty of space for display and sales of seasonal produce.

Expansion is planned in the wholesaling division as well and an apple grader is the latest addition to the sales and packing area.

Less labor intensive, but equally important in the overall Maple Lawn picture, has been the corn cropping program. When McPherson scrutinized that part of the operation at that 1979 business crossroads, he was dissatisfied with yields and returns, especially on some of the rented ground.

"I wasn't making money on rented grain ground. We farm rented ground the same way we farm our own land, and we were putting more into it than we were getting out," he relates.

Initially, he set aside a budgeted $3 per acre of land for the best soil testing he could get, to fine tune production and imputs. Attention to these details were aimed at an increase of 10 bushel to the acre.

Already by 1981, results were proving out. Maple Lawn Farms carted off the state's three-year average high corn yield honors - again in a stretch of dry seasons.

Another goal was to shift from intensive no-till on corn ground to a more conservation-type tillage, aimed at increasing the land's holding capacity for water. And estimating that he was losing several feet of potential production along the field edges were trees had grown out, McPherson put his men to work over the winters, trimming back creeping woods and capitalizing on it as firewood.

Now, the former 1000 acres in corn has been sliced to 650, but with yields per-acre upped by 30 bushels.

"That makes it more profitable to farm our present 650 acres than the previous acreages," affirms McPherson.

Closely tied to the grain production enterprise is the family's country elevator. In this business, the McPherson's continuing computerization of their farm operations is a real bonus for customers. They've worked with developing programs from available general commercial softwares, which simplify tracking the handling, storing, testing, drying and marketing of their crops and customer transactions.

One of the first farms in the area to integrate a computer into daily farm activities, they've converted tedious hand-recording, double-entry accounting and payroll records into a few-hours-per-month keyboard task. Using their Apple and software they've adapted, they can also key input and yield data on every individual grain field, for quick comparisons of profitability.

And, McPherson points back again to those "boring details."

"A computer is good for details," he emphasizes. "You can tell if growing, or handling, a grain crop is making you money."

What a computer won't do, he notes, is forecast the future. That takes paying attention to trends, talking to other farmers, following market and futures prices, and staying abreast of, not just agriculture happenings, but the world economic situation.

"Boring details" some people might call them. But McPherson would be the first to agree: profit is never boring.

And Paul and Gail McPherson are determined to do everything they possibly can, from resetting the trickle irrigation at a fruit tree, or pruning a branch, to experimenting with business software programs, to assure that profit is the bottom-line harvest at Maple Lawn Farms

Like most of the operators of the "best managed" farms in Farm Futures contest, Paul and Gail McPherson are savvy users of their computer. It's an irreplaceable tool for handling payroll, accounting and customer transactions in their New Park grain, fruit, elevator and fertilizer business.

The newly-remodeled retail market at Maple Lawn Farms is stylized with cypress-wood front, ample display and sales space, and office space on the second floor. It's part of Paul and Gail McPherson's continuing renovation of assets in their long-range farm plan.

Dairymen asked to sign ADA/DC's "positive letter"

WILLIAMSPORT – During the months of April and May, Federal Order 2 dairy producers will have the opportunity to continue funding their local milk promotion organization by supporting the American Dairy Association and Dairy Council's positive letter Producers will receive the letter from their handlers.

Dairy farmers nationwide are currently mandated, as a result of federal legislation, to contribute 15 cents per cwt towards milk promotion. Producers can direct 10 cents of this deduction to promote dairy products in their local market, and this is the reason for the positive letter

By supporting the positive letter, Federal Order 2 dairymen will be able to direct the majority of their promotion funds to advertise dairy products in their local markets. ADA/DC places media advertising and promotion programs in the areas where the majority of Federal Order 2 milk is sold, such as New York City, Scranton/Wilkes-Barre, and other metropolitan areas.

Seventy percent of ADA/DC's budget is invested in local market media advertising This advertising compliments the naterional media buys being made by the National Dairy Board (NDB). The NDB uses the same product ads as ADA/DC bringing consumers one unified message

Media advertising is supported through a variety of promotional programs designed to reach consumers at the point of purchase ADA/DC places promotional materials in supermarkets, restaurants, and cafeterias reminding consumers to purchase dairy products.

ADA/DC has an office in Williamsport, Pennsylvania. The staff is available to make presentations or answer any questions pertaining to the positive letter and milk promotions. You can reach the office by calling 717-323-2552, or call tollfree 800-HOT-MILK

ADA/DC is a producer directed and funded milk promotion agency serving Pennsylvania, New York and New Jersey.

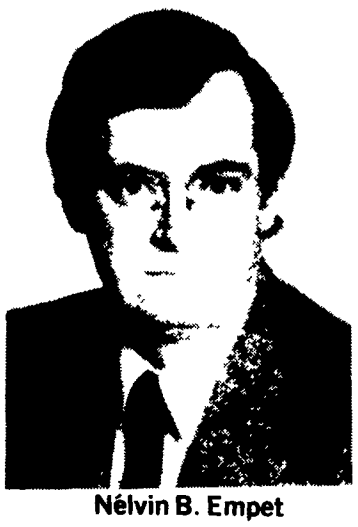
N.Y. DHI leader speaks at Australian Dairy Conference

ITHACA, NY – We can learn much from the dairymen in Australia and New Zealand, said Nelvin B. Empet, General Manager of New York DHI Cooperative, on his return from a three-week study tour of herd improvement systems in those countries. The trip was in conjunction with the 1985 Dairy Production Conference in Albury-Wodonga, Australia and was jointly sponsored by the Australian and New Zealand Societies of Animal Production.

The conference was attended by over 1100 dairymen and agribusinessmen from Australia and New Zealand. Empet presented a keynote review paper entitled "Let's Expand Our Horizons" for the herd improvement section of the conference along with Glenn Whittaker, General Manager of the New Zealand Dairy Board Livestock Improvement Division.

Empet spoke about the "Day One" concept being developed by New York DHI Cooperative to eliminate delay for dairymen receiving herd management reports. The goal of Day One is to make farm computing convenient and affordable for all dairymen.

During his stay in Australia Empet spoke at a dairymen's meeting in the Atherton Tablelands and gave a seminar at James Cook University in Townville in northern Australia. He also had the opportunity to discuss herd information systems with dairymen and managers of the Artificial Breeding and Herd Record cooperatives in the Victoria area of southern Australia.



Nelvin B. Empet

"The week in New Zealand was one of the most interesting experiences of my life," noted Empet. "The New Zealand Livestock Improvement Division of the Dairy Board is doing an exceptional job of meeting dairymen's needs. While in New Zealand I visited four local livestock improvement associations and the national center in Newstead.

"A unique aspect of the LIA in New Zealand is that one organization encompasses the artificial breeding, herd recording, grade cattle identification, and extension responsibilities. Also, the unity that the National Dairy Board gives to marketing dairy products enables the New Zealand dairy industry to produce for the market and to successfully compete worldwide."

New York DHI Cooperative is a farmer owned cooperative serving over 6400 dairymen in New York and New Jersey with laboratory testing of milk, forage and soil, and with computerized herd management records.

U.S. ag loans in '85 reach $2.6 billion

WASHINGTON – U.S. Department of Agriculture operating loans to finance 1985 crops are running at record levels, Frank W. Naylor Jr., Under Secretary for Small Community and Rural Development, said.

"In a little more than half of this fiscal year," Naylor said, "USDA's Farmers Home Administration has reached a peak operating loan level of $2.6 billion.

"Although we have not reached the end of the spring lending season the current operating loan level more than triples that of the entire 1981 fiscal year, or $847 million. The total for this year could reach the $3 billion mark."

Naylor said the stepped-up pace of lending reflects three factors:

• Secretary of Agriculture John R. Block's commitment to sufficient credit for farmers for this year's production.

•More loans to farmers who were unable to obtain credit from their regular commercial lenders in a time of financial stress for much of the farm economy.

•Administration efforts to help those farmers in serious financial difficulty restructure their operations so they can continue farming

Naylor said last year's Farmers Home operating loans barely topped $2 billion for the first time, out of $4.4 billion total farm loans for the year. With five months yet to go in this fiscal year, Farmers Home loans for all farm purposes already total more than $3.6 billion.

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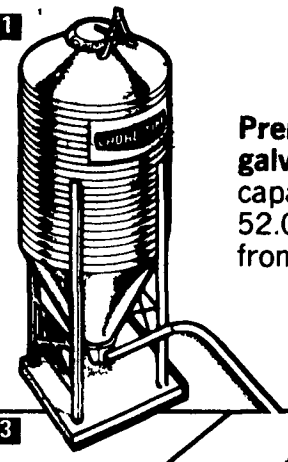

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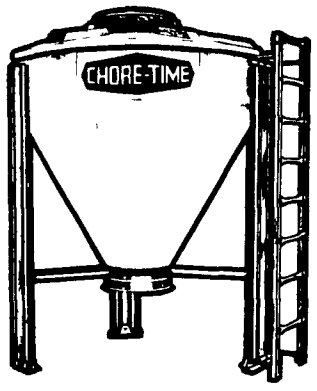

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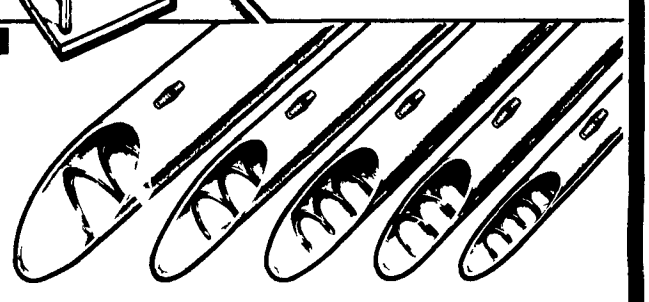

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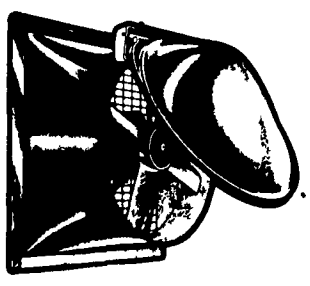

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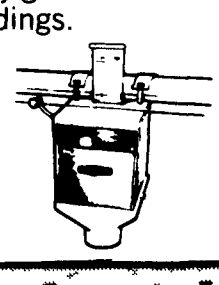

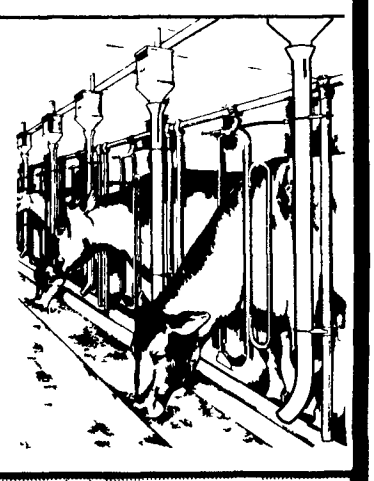

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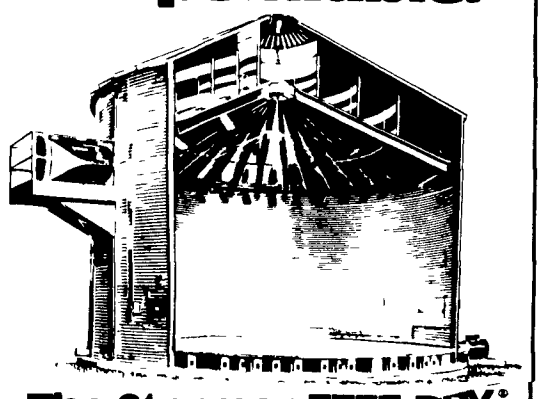

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"Damping off" in soybeans

Seedling diseases reduce soybean stands early in the season, especially under wet conditions. Commonly referred to as "damping-off," these diseases often place soybean growers in the agonizing position of making costly replant decisions.

Pythium and Phytophthora are probably the most devastating and widespread disease organisms that cause damping-off in soybeans. Rhizoctonia and Fusarium root rots also cause problems.

All of these diseases are caused by soil-borne fungi that persist in the soil indefinitely. Although more commonly associated with heavy soils and poor drainage, these diseases can occur wherever soils remain water-saturated for several days.

Pythium is favored by cool conditions and can kill soybean plants any time from planting to mid-season. Symptoms vary depending on the specific species of the fungus causing the infection. Seeds which become infected often rot and fail to germinate. The disease causes seedling cotyledon lesions, roots to rot and blocks main stem development. There are no resistant varieties to this disease.

Unlike Pythium, Phytophthora is favored by warm temperatures and can kill soybean plants at any state of development. Symptoms of both diseases are similar. Phytophthora spreads through free soil water and is most severe in saturated soils.

Several different races of Phytophthora have been identified. Fortunately, varieties are available that have race-specific resistance and field tolerance.

Rhizoctonia produces reddish-brown lesions on the roots and lower stem below the soil line. The lesions may develop into a sunken, reddish-brown canker Infected roots and stems usually remain firm and dry.

Fusarium causes dark brown to black lesions on the roots and lower stem. These symptoms are often confused with those of Rhizoctonia. When the infection is severe, seedling emergence is poor. Seedlings that do emerge are often stunted and weak. The root system may be completely destroyed.

When weather conditions favor the development of these diseases, a grower can do little other than wait to see if replanting will be required. However, growers can reduce the risk of replanting.

Planting high quality seed into warm, well-drained soil is the first step in avoiding costly replant situations. Using bin-run seed that has not been adequately tested is risky.

Fungicide seed treatments offer temporary protection from diseases during the critical seedling state. These seed treatments are most effective in years when weather conditions favor disease development, when used in combination with resistant varieties, or when planting early in cold soil. However, fungicides do not make susceptible varieties resistant to disease.

Variety selection is also important. Resistant or tolerant varieties may yield slightly less than susceptible ones in the absence of disease but are probably a better choice for fields where the risk of disease is high.

USDA researcher develops test to detect pesticide residues

WASHINGTON — Minute pesticide residues can be rapidly detected in the soil by a simple assay patterned after a human or animal's immune system, a U.S. Department of Agriculture researcher said.

The test can detect residues even though the pesticides have undergone chemical changes that obscure their identity.

"We are using a new, simplified test to identify pesticides that are altered by bacteria, light and other agents in the soil," said USDA's Bhon D. Dunbar, who developed the assay. "We expect the test will increase the speed and accuracy of discovering soil residues that could be an environmental concern."

Dunbar, a research agronomist for USDA's Agricultural Research Service, said the technique for pesticide assays could be likened to medical tests that rely on antibodies to signal the presence of a foreign object in humans and animals. A defense is built up as the body reacts to the foreign object and produces antibodies to attack it.

In the assay a pesticide is the foreign object, causing antibodies to form in rabbit serum, said Dunbar at the agency's Central Great Plains Research Station, Akron, Colo.

Warren C. Shaw, the USDA agency's research leader for agricultural chemcials technology, said the assay "could have potentially far-reaching implications for government and private organizations that monitor pesticides. Agencies and laboratories will be able to distinguish and measure closely-related pesticides. That means monitoring can be rapid and extemely precise."

Dunbar said the assay was first developed to detect residues at parts per trillion of atrazine, a herbicide applied to the soil to kill weeds. He said he expects private industry will develop simple test kits based on the assay.

"We were able to run 100 atrazine assays in eight hours, which is much faster than using current analytical methods," he said. If the new technique were automated, he said, at least two thousand assays a day could be done.

"We are adapting the assay to detect a dozen other widely used herbicides and insecticides at parts per trillion," he said. Current testing is done mainly at parts per billion or million.

Dunbar obtained the antibodies by first attaching atrazine molecules to protein molecules. He used the protein molecules because they are large enough for a rabbit's immune system to recognize as a foreign object, while atrazine molecules alone are too small. He then injected the paired molecules into rabbits. The rabbits are not harmed by the process.

"We closely monitored the rabbits," he said. "Their immune systems recognized the molecules as a foreign substance and started producing antibodies in the blood."

He said tests showed the blood carried antibodies specifically targeted against atrazine. "We have used the antibodies successfully for precise identification of how much atrazine is present in a pesticide sample," he said.

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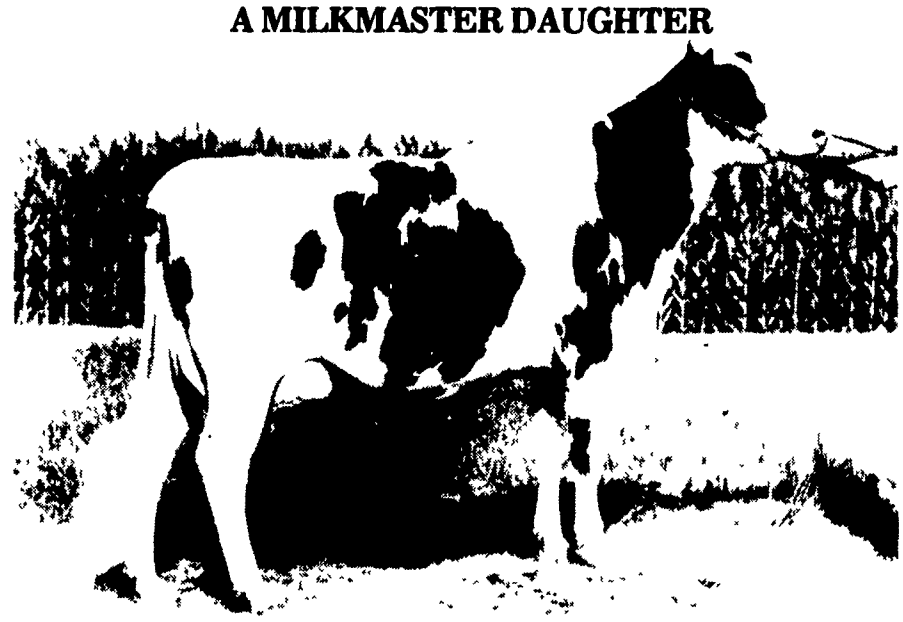

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Delaware expert tells farmers: scout for pests!

NEWARK, DE — Temperatures over the past few weeks have favored small-grain development. Research shows that insect and disease injury can reduce the yield potential of these small grains, so it's important to take time to scour fields for early signs of pest activity and develop effective control strategies.

While scouting, University of Delaware extension pest management specialist Joanne Whalen advises growers to check for insect pests like aphids, armyworms and grass sawflies. The severity of their outbreaks in small grains is usually associated with weather factors.

The relationship between grain aphids and spring weather conditions is probably the best example of this phenomenon, the specialist says. Aphids reproduce rapidly between 55 and 65 degrees F, while their natural enemies reproduce slowly. Aphids are also very susceptible to fungal diseases which occur during periods of rainfall and high humidity. So if dry weather continues this spring, aphid populations could increase rapidly while their natural enemies lag behind.

Though outbreaks will depend largely on weather conditions, growers should check fields for aphid activity while grain is in the tiller stage. There's some indication that infestations at this stage may affect grain test weight. Whalen and her assistants found high aphid populations in many Delaware grain fields last fall, so early detection is important, she says.

When sampling for aphids, check one linear foot of row in five to 10 sites in a field. Before applying an insecticide, consider number of aphids present; size and vigor of the crop; moisture conditions and presence of natural enemies.

Before the grain heads, use the following thresholds in deciding whether or not to treat:

Plant Height (Inches)	No. Aphids/ Liner Ft. of Row
3-6	50-100
4-8	100-300
6-16	300-700

When grain is heading, check at least 50 to 100 heads throughout a field for aphids. Whalen recommends treatment if an average of 25 aphids are found per head.

Potential armyworm outbreaks will also be affected by the weather. Outbreaks tend to be sporadic and populations vary from year to year and from field to field. Heavy infestations often occur following a dry summer and mild winter. A cool, wet spring also appears to be associated with armyworm outbreaks.

The 1984-85 winter was extremely mild, however, so the specialist says the potential for outbreaks this year may depend largely on spring weather conditions. So far, blacklight trap catches of armyworms have been extremely low and spring conditions have been dry, so many fields may escape economic infestations.

"As with any pest, it's important to detect armyworms while they're small and easy to control," Whalen says. "The first three instars feed only on the outer surfaces of leaves and cause no damage. But larvae longer than ½-inch feed heavily on the blades and cut off stems just below the grain head. Such damage can result in complete loss of grain."

When scouting for armyworms, check for small larvae on field edges and in lodged areas. Look under debris and at the base of plants in 1 linear foot of area between two rows in at least 10 to 20 sites within a field. Spray if one or more larvae are found per foot of row innerspace.

Unlike aphids and armyworms, grass sawfly outbreaks on Delmarva have not been related to weather, the pest management specialist says. Sawfly larvae are pale green with dark heads and distinct [illegible] faces. They begin to climb stems and feed when only half grown, while wheat is in the tiller to heading stages.

Thus, a single sawfly larva is much more destructive than an armyworm which only clips nearly ripe grain heads. Sawfly head and stem clipping usually peaks around May 10, approximately 10 days before armyworm activity starts. This makes it very important to scout early for sawfly larvae.

Sample in a five-foot-long area between two rows in at least five locations within a field. Since high populations often occur along field edges, take at least one or two samples along the edge. Treat when an average of two or more sawfly larvae are found per five feet of row innerspace.

For further information on in-season pest activity, Delaware farmers are advised to call the University of Delaware Cooperative Extension Service CROP PEST HOTLINE, 1-800-345-7544. Out-of-state residents should call 1-302-451-8851.

Pacific Run market area

PARK RIDGE, Il. — A dozen Farm Bureau leaders will visit four Pacific Rim nations May 10 - 21 to meet with representatives of local farm organizations and discuss common international trade concerns and explore opportunities to expand U.S. farm exports.

Robert Delano, president of the American Farm Bureau Federation, will head the trade mission to Singapore, Indonesia, Australia and New Zealand.

Ambassadors and agricultural attaches will brief the delegation in each of the countries. On-site examinations of ports, wholesale markets, farms, commodity organization offices and processing facilities are planned.

One of the major events of the mission will be a two-day meeting in Australia to discuss concerns of free-trading nations about mounting protectionism. Representatives from farm organizations in Australia, the U.S., New Zealand and Canada will attend.

"The purpose of the meeing, specifically, is to seek solutions on how to deal with closed economies, such as Japan and the European Community. Our delegation will stress the thrust of our farm program philosophy, calling for farm products to be priced competitively and provided equal access," Delano said.

For increasing U.S. farm export sales, he said Indonesia and Singapore offer the best opportunity, "especially specialty products and wheat. As people's incomes improve, they spend more on diversifying their diet, a trend that will help our fruit and vegetable growers. Also, more and more people in the two nations are eating bread rather than rice. This will help our wheat growers."

According to Department of Agriculture figures, the U.S. is Singapore's major trading partner. The Asian nation buys approximately $150 million worth of such specialty commodities as fruit, poultry, sugar, barley and vegetables. Singapore imports nearly 80 percent of its food supply. Indonesia also is a major purchaser of U.S farm goods, last year spending more than $400 million on such basics as wheat, cotton, soybeans and rice.

"As farmers, we realize we have to be aggressive in pursuing opportunities in trade so we can have a growing and prosperous agriculture," Delano said. "We are going to the Pacific Rim because this area has many rapidly developing and developed countries with the buying power to afford imported agricultural products to improve their daily diets."

Other members of the trade mission delegation will include Elton Smith, AFBF vice president and Michigan FB president and 10 state FB presidents — Nicky Hargrove, Arkansas; Henry Voss, California; Keith Propst, Colorado; Marion Stackhouse, Indiana; Ray Mackey, Kentucky; Peter Curra, Maine; Rob Hukari, Oregon; Richard Ekstrum, South Dakota; S.T. Moore, Virginia; and Fred Butler, Sr., West Virginia.

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Nozzles:

Cheapest sprayer part also the most critical

NEWARK, DE – The nozzles on a boom sprayer are the least expensive but the most critical component of today's chemical application. system, says University of Delaware extension agricultural engineer Tom Williams. Accurate chemcial application is essential in crop production. Too little chemical won't give effective pest control, too much may cause crop injury, while uneven application can produce both conditions in the same field.

Several nozzle types are available–flat fans, flooding flat fans and hollow cones. In this part of the country, flooding flat fans or flood tips are the most popular for applying fertilizers and herbicides. They have larger orifices which are less likely to clog, and they produce larger spray droplets which are less likely to drift when operated at low pressures.

Flood tips will produce driftable droplets, however, if operated at too high a pressure, Williams warns. Eight to 25 psi (pounds per square inch) is the recommended operating range. tips are rated and numbered for flow rate at 10 psi. For instance, a TK or D 5 nozzle will put out 0.5 gallons per minute at 10 psi, whereas a TK 7.5 or D 7.5 will put out 0.75 gpm.

Pressure and orifice size also affect spray angle or pattern width, which can vary from 100 to 145 degrees. So boom height must be adjusted to obtain 100 percent spray pattern overlap or double coverage on the target at the operating pressure.

"Many applicators in this area have ground-driven pumps which put out a constant volume regardless of ground speed," the engineer says. "That means the pressure changes when speed changes, so select the nozzles that will put out the required gpm within the recommended 8 or 25 psi pressure range for your average ground speed. Then operate the sprayer at a constant speed so the pressure doesn't vary."

Sprayer setups and checkouts with a ground-driven pump sprayer are easier to make if the PTO-driven agitation pump is plumbed into the boom manifold so the boom can be pressurized while stationary, Williams says.

"This requires only two shutoff valves and a hose from the sparger tube to the boom manifold. Add a pressure gauge to the boom so you can set the operating pressure," Williams says. "Don't forget to allow 4 to 10 psi for check valves. Then you'll be able to determine if all the nozzles have equal flow rates and you can adjust the boom height for 100 percent overlap of the spray pattern."

Flooding fan nozzles can be mounted at different angles on the boom.

"Most seem to be mounted vertically downward so the spray fans out the back horizontally and then falls onto the target," the specialist says. "This can give a poor distribution pattern and is more susceptible to wind distortion and drift."

For the best distribution, he recommends mounting nozzles about 30 to 45 degrees above horizontal. If mounted horizontally, the spray falls directly downward, tending to cause heavier concentrations at the edges of the spray pattern.

The specific gravity of spray material will affect flow rate and its viscosity or thickness will affect spray pattern as well as droplet size. For this reason, set up and calibrate the applicator with the carrier to be used, if this is different from water. Don't add the pesticide until adjustments have been made.

The deflector lip on a flood nozzle erodes with use. According to Williams, this can distort the spray pattern and cause uneven distribution. Hardened stainless steel tips give the longest life, but even they don't last forever. So check nozzles occasionally to be sure they're still doing the job.

Delaware to test for soybean disease

NEWARK, DE – The University of Delaware College of Agricultural Sciences has received $24,200 in grants from the Delaware Soybean Board in support of 13 research and extension projects for the 1985 growing season. Another $25,000 was earmarked for the Amercian Soybean Development Foundation.

One of the proposals funded is aimed at determining the cause of a new disease affecting Delaware soybeans. The still unidentified disease was observed in university experimental plots and commercial fields in the Millsboro area during the 1983 and 1984 growing seasons.

Preliminary observations are that the disease is potentially more destructive than Fusarium blight, that nematodes (including the cyst nematode) are not involved, and that some commercial cultivars and numbered experimental lines are more susceptible than others.

According to plant pathologist Dr. Allen L. Morehart, Fusarium blight appeared in a similar fashion in the early 1970s. "Intensive cultivation and the introduction of new soybean varieties with disease susceptibility create a favorable situation for diseases not previously important in Delaware," he explains.

Preliminary greenhouse tests with seed collected from diseased plants in the field indicate that the disease-carrying agent (or agents) is (are?) seedborne. Morehart and fellow plant pathologist Dr. Robert B. Carroll, who have been studying the disease at the University of Delaware Agricultural Experiment Station, say it may be a complex between Fusarium or another fungal pathogen, and a virus. Both scientists will be involved in the new research project.

They plan to establish experimental plots near Millsboro in a field where the disease was severe in 1984. This summer they will plant the same experimental lines and commercial cultivars as those grown last year, evaluate them for resistance and compare the results. According to Carroll and Morehart, control of the disease (or disease complex) is likely to depend ultimately on the use of resistant cultivars.

The scientists will provide extension county agents and crop specialists with a description of the disease so they can look for symptoms elsewhere. Any reports will be evaluated by the research team. Also, a susceptible cultivar will be planted at numerous locations and evaluated periodically over the growing season for signs of the disease.

The soybean Board also voted to continue funding 12 other University of Delaware soybean projects including a task force of extension specialists and researchers to evaluate factors contributing to Delaware soybean yields; an evaluation of different herbicide programs for full season no-till soybeans; weed control studies for horsenettle, giant ragweed, burcucumber, cocklebur and Canada thistle; varietal screening for resistance to soybean cyst nematode; a management program for control of the Dectes stem borer; evaluation of the effect of miticides on the two-spotted mite; variety screening for no-till double cropping; and soybean variety performance test.

Money for these projects came from a 1-cent-per-bushel check-off of Delaware grown soybeans. The purpose of this check-off, now in its fifth year, is to support soybean market development, production research and educational activities which will benefit Delaware soybean producers.

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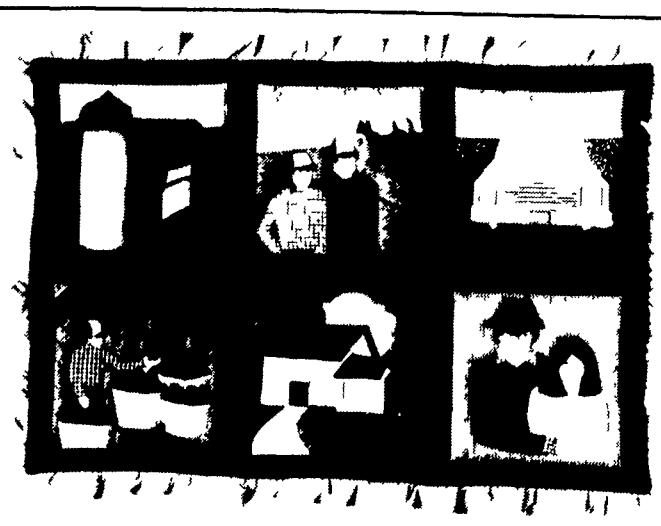

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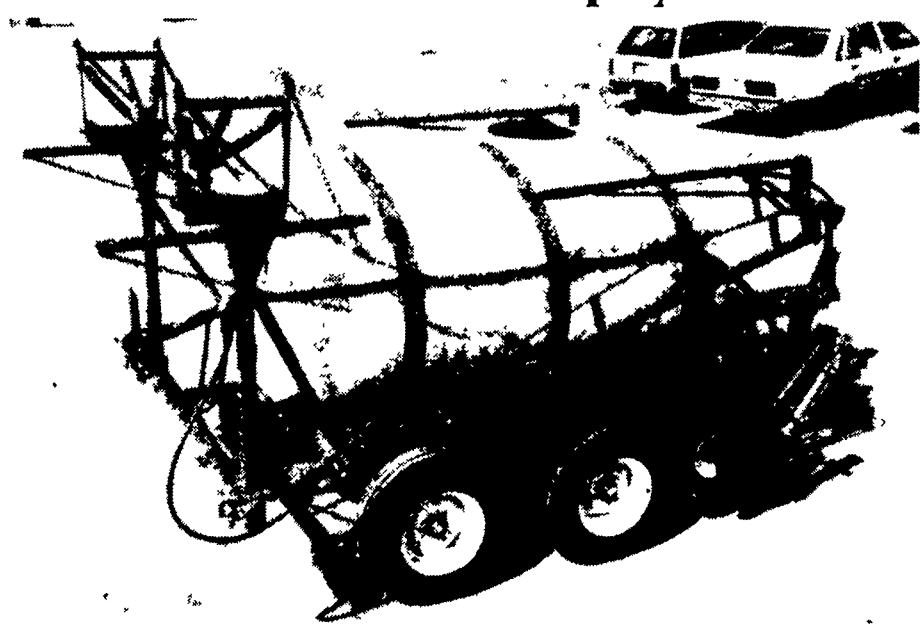

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New USDA system decomposes pesticide wastes at site

WASHINGTON – Tests of a new mobile system for decomposing pesticide wastes are "very encouraging," a U.S. Department of Agriculture chemist said today.

Philip C. Kearney of USDA's Agricultural Research Service said laboratory researchers have had "good test results" using the system in field experiments to decompose such pesticides as atrazine and 2,4-D in wastewater.

"Our experimental work indicates," he said, "that the system could help overcome wastewater problems and costs, especially in areas far from disposal facilities." Kearney heads the Pesticide Degradation Laboratory at Beltsville, Md.

The laboratory team is working on the system to speed the breakdown of pesticides such as paraquat that have a long soil life. Unlike most agricultural pesticides that microbes decompose readily in the soil, Kearney said, these pesticides are less susceptible to microbial action.

The trailer-mounted system "may have potential for helping farmers and small commercial firms render pesticide wastes safe for disposal," Kearney said. Aerial spray applicators, landfill operators and pesticide wholesalers could be potential users, he said. They generate contaminated wastewater mainly from mixing and loading pesticides, removing leftover pesticides from spray tanks, and cleaning equipment.

The portable system relies on ultraviolet light and oxygen to break the molecular bonds of pesticides so they decompose faster in wastewater.

"Once the wastewater is treated, it can be released in lined soil pits where microbes degrade the pesticide further, ideally into harmless products such as water, carbon dioxide and chloride ions," he said.

Kearney said the researchers also are refining the system so a wider range of pesticides can be rendered safe.

Waste is detoxified in several simple steps: Wastewater is pumped from a storage tank or other holding source into a stainless steel tank where it is mixed with oxygen, then cycled through an ultraviolet lamp unit and irradiated.

"In effect, the light keeps chipping away at the pesticides' molecular bonds, forming progressively smaller, simpler and more biodegradable compounds," he said.

Kearney said researchers may be able to hasten the breakdown by adding superior strains of bacteria that attack the pesticides. Bacteria would be added to the wastewater before it is treated in the disposal system.

"We have had good success with a bacterium that speeded decomposition of the insecticide coumaphos in laboratory tests," he said. Coumaphos is widely used in dipping vats to control cattle ticks in the Southwest and is persistent in soils.

USDA's Animal and Plant Health Inspection Service and the research team are cooperating in developing safe disposal methods for the insecticide in wastewater.

Wheat council's '86 budget

WASHINGTON – The Wheat Industry Council budget for a nationally coordinated wheat foods research and nutrition education program will be $1.1 million in fiscal year 1986, a U.S. Department of Agriculture offical said today.

Paul M. Fuller, an official with USDA's Agricultural Marketing Service, said the budget runs from July 1, 1985 through June 20, 1986. The program includes generic television commercials, media appearances by university nutritionists, television public service announcements, press releases to food writers, audio-visual materials for use by health and nutrition speakers and lecturers, and a wheat foods logo.

Fuller said the program is financed by assessing manufacturers of wheat end products one cent per hundredweight for wheat they have bought since June 1, 1981. Manufacturers can receive refunds of assessments paid during the coming year if they reserve the option to request the refunds within 60 days of publication of the council's budget in Part III of the Federal Register, scheduled for May 1.

Requests to reserve the option must be made by notifying the council by registered or certified mail, Fuller said. Council offices are located at 1333 H St. NW, Suite 1200, Washington, D.C. 20005.

The program is authorized under the Wheat and Wheat Foods Research and Nutrition Education Act and is conducted according to a national order approved by wheat end product manufacturers. The council prepares the budget and administers the program. USDA monitors the activities of the council.

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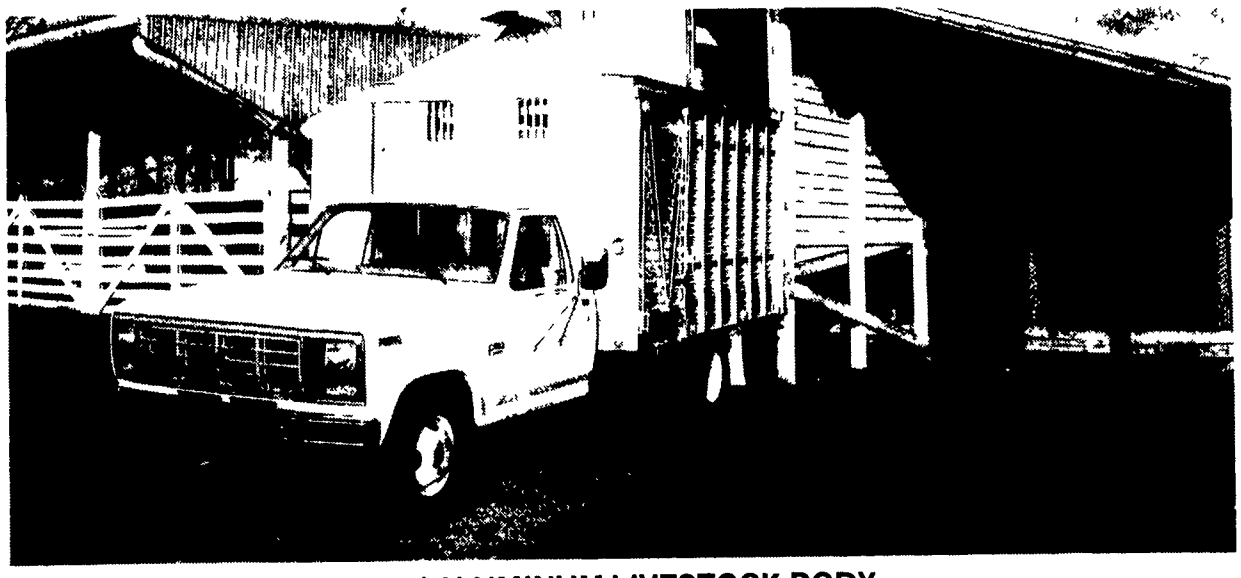

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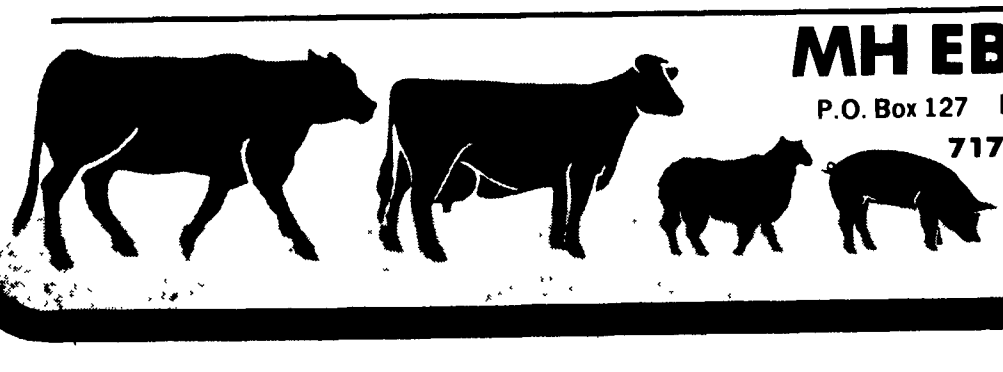

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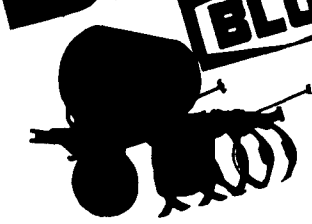

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Fertilizer exec says cargo laws deny food to hungry

WASHINGTON — Recent revelations, suggesting that the U.S. merchant marine fleet is exploiting famine relief programs by dramatically raising shipping costs, offers further proof of the need to trim the scope of cargo preference laws, according to a spokesman for the fertilizer industry.

Gary D. Myers, president of The Fertilizer Institute, said that his association and nearly 90 other agricultural organizations and businesses are continuing to seek legislative action which removes cargo preference requirements from government export enhancement programs.

"Although our concern with cargo preference has centered around the Agriculture Department's blended credit program, recent data suggest that a further miscarriage of ethical standards is being perpetrated at the expense of African famine victims," Myers said.

He cited USDA information which shows that, because cargo preference laws require half of all government shipments to travel by more costly U.S. vessels, the merchant marine will earn $155 million in government subsidy in excess of the rate charged by foreign vessels.

"This is enough money to buy 815,000 metric tons of U.S. wheat and ship it to Sudan or Ethiopia – which is enough wheat to provide one pound per day for one year to over 4.9 million people," Myers added.

"More distrubing," Myers continued, "is evidence that U.S. vessels have raised their shipping costs by 70 percent since the start of Americia's efforts to aid the drought-ravaged African continent.

This hidden subsidy would have provided 470,000 people one pound of wheat and one ounce of soybean oil per day for one year." The association leader said that taxpayers expect these relief efforts to aid the hungry, not a handful of U.S. shipowners.

Myers said that cargo preference is also a "cruel impediment" to America's farmers, who want to market their grain on the world market. He said current shipping requirements make it virtually impossible for the USDA to offer attractive financing packages to Third World Nations which are strapped for cash, because the added costs of cargo preference make such deals uneconomical.

"Discussions on the 1985 Farm Bill are being held hostage to this one issue," the industry spokeman said, "because there can be no effective enhancement of U.S. farm product exports without the reduction or elimination of cargo preference."

Penn State names Starling to associate dean post

STATE COLLEGE — Dr. James L. Starling, head of the Department of Agronomy at The Pennsylvania State University has been named associate dean for administrative management in the College of Agriculture. He succeeds Dr. Howard W. Thoele, who retired March 31.

Committee on the Future ot Pennsylvania Agriculture, which is planning a major conference.

In his new position, Dr. Starling is responsible for fiscal and personnel matters and strategic planning. He also will coordinate physical facility development for the College, provide administrative direction to the College's farm operations, and to the College's auxiliary enterprises such as the Dairy Herd Improvement Association, the Soil and Forage Testing Laboratory and the University Creamery.

Dr. Starling came to Penn State as a graduate assistant in 1954. Joining the agronomy faculty in 1957, he served as a project leader in forage crops breeding and genetics, and as a teacher and advisor at the graduate level. His courses in applied statistics attracted students from throughout the University. In 1969 he was named head of his department.

Having served on President Jordan's Strategic Planning Subcommittee on the Assessment of the External Environment of the University, Dr. Starling feels that strategic planning comes at a good time for the College of Agriculture.

"We've had a period of rapid turnover in our faculty, which makes it easier to restructure programs to respond to changing needs and opportunities," he said. He currently serves on the College

A native of Virginia, Dr. Starling received his bachelor's degree in agronomy from Virginia Polytechnic Institute and State University. He earned his master's and Ph.D. degrees in agronomy from Penn State with a specialization in plant breeding.

Over the years he has had affiliation with several professional organizations and research groups. He has served as president of the Pennsylvania Grassland Council, the Pennsylvania Plant Food and Protectant Educational Society, and the Northeast Branch of the American Society of Agronomy, and has performed major committee service for the American Society of Agronomy.

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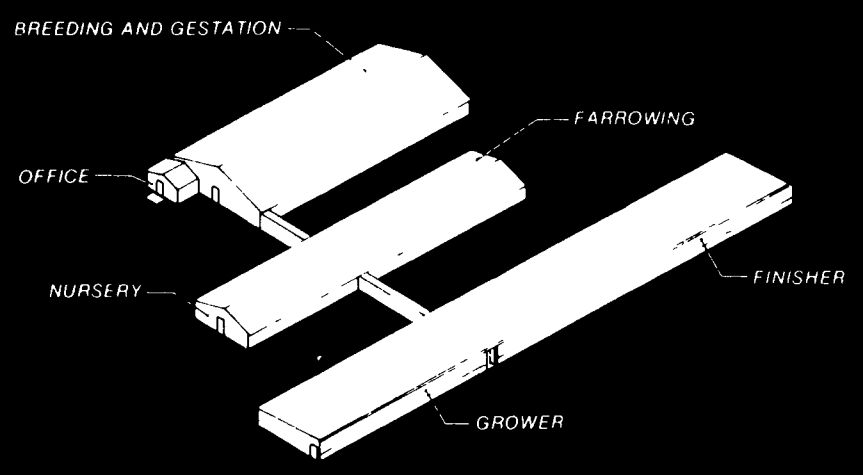

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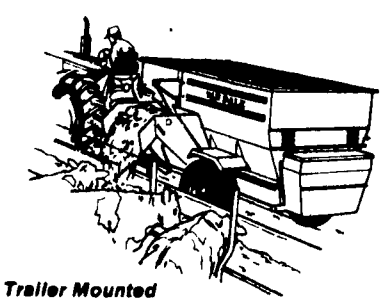
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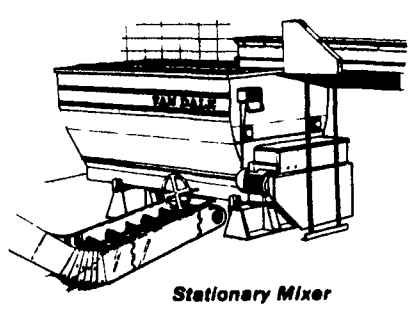
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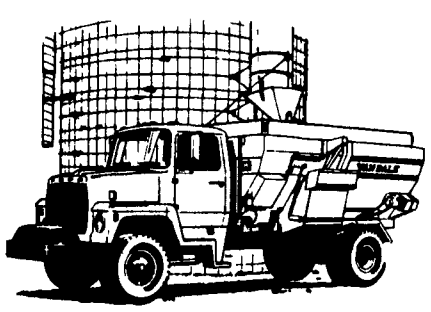
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Larvadex approved for nationwide poultry house use

BY JACK HUBLEY

HARRISBURG — Larvadex, a feed-through poultry insecticide, received final Environmental Protection Agency approval for nationwide use on Thursday, according to Pa. Department of Agriculture Pesticide Coordinator Dr. Gerard Florentine.

The controversial product, produced by Ciba-Geigy Corporation, had previously been available only under emergency exemption status and was taken off the market by EPA in August of 1983, said Ciba-Geigy spokesman Bob Clark. "We're going to begin shipping it right away, and it should be available nearly everywhere within four to six weeks," said Clark.

The registration is conditional, said Clark, who noted that one final study needs to be performed. This study could not be completed until the product was on the market.

A feed-through insecticide, Larvadex is mixed with poultry feed and then passes through the birds where it remains in the manure and prevents the development of fly larvae.

"I think this will be a real help to the poultry industry," noted Penn State poultry specialist Dr. Forest Muir. Muir said that the product had previously proven to be a particularly effective fly control and that no resistance to its toxic effects had been observed.

Apply now for cost-share funds

HARRISBURG — Dauphin County Farmers who need financial assistance to perform conservation work on their farms may apply for cost-sharing funds under the federally administered Agriculture Conservation Program.

Farmers should enroll with the Dauphin County Agriculture Stabilization and Conservation Service Office (652-8401) before May 15, 1985.

Now is the time to apply for assistance to do summer and fall practices, such as sod waterways, terraces, diversions, strip-cropping, contour farming, fall seedings, animal waste facilities, and winter cover crop.

Practice descriptions and specific cost-share information are available through the ASCS office.

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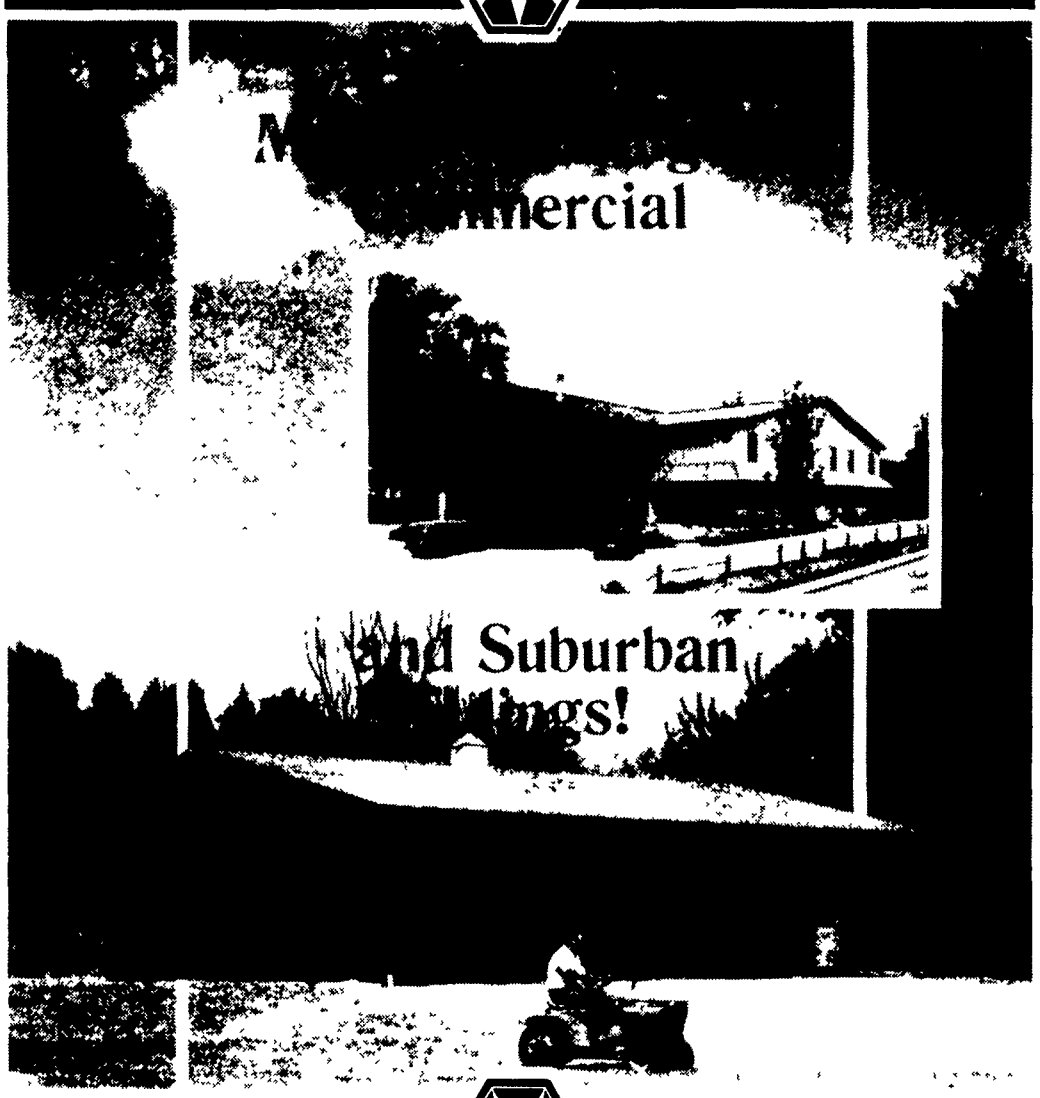

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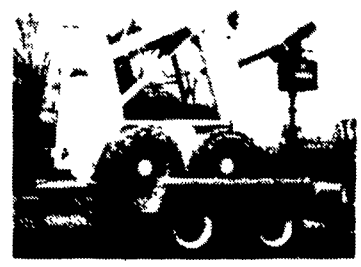

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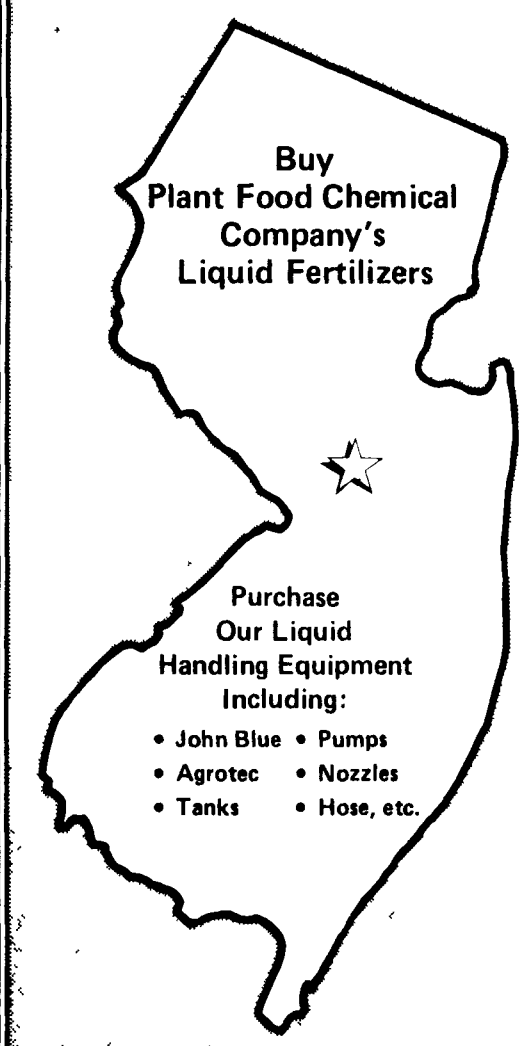

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Marketing order

(Continued from Page A1)

commodities.

Lockard also pointed out that the agency has also voiced a number of other concerns based on input from both independent and contract producers. These include the possible disenfranchisement of contract producers, the potential effects of imported eggs on the U.S. market and the apparent lack of across-the-board support of the existing marketing order by the industry.

"While most of the egg organizations support the hearing process," Lockard observed, "not one major organization stood up as a proponent of the marketing order itself, which is kind of unusual."

Lockard stated that groups representing other commodities, such as fruits and vegetables, generally have the overwhelming support of their memberships before proposing a marketing order. But unlike all other orders currently in force, the egg marketing order would be national rather than only regional in scope, which makes such broad-based support unrealistic, she said.

Labeling USDA's decision "an abrupt denial of what is supposed to be a democratic process," UEP's Weber emphasized that USDA has overstepped its legal bounds by not permitting the egg marketing order to advance to the nationwide hearing stage. Weber stated that the Agricultural Marketing Agreement Act of 1937 was enacted specifically to allow the agricultural community to draft marketing orders.

Noting that the act was amended in 1983 to include eggs, Weber pointed out that marketing orders are currently in force for some 48 commodities.

Weber emphasized that while UEP maintains a neutral stance on the marketing order issue itself, the organization is firm in its conviction that the industry is entitled to vote in order to determine its own destiny.

But Lockard takes issue with Weber's assessment of USDA's legal limitations. "This is not unprecedented for an order to be denied," she says, adding that the agency reserves the right to deny hearings "if the administration concludes that the marketing order won't effectuate the policy of the act, or for any other proper reasons."

Following USDA's decision, a UEP delegation met with USDA officials on April 30, to explore the possibility of reaching an agreement. According to Northeast United Egg Producers (UEP's regional affiliate) general manager Christine Bushway, USDA's Handley reacted favorably to the idea of instituting hearings if the quantity control provision were removed from the order.

In recent action, UEP has mailed questionnaires to nearly 1,000 producers and agricultural organizations nationwide, requesting a vote on the following options:

1. Do nothing. Accept USDA's decision and develop no new initiatives.

2. Compromise by resubmitting the marketing order to USDA with the quantity control provision omitted.

3. Take legal action to force USDA to hold hearings, or institute a legislative campaign with the marketing order as it stands.

According to UEP spokesman Ken Klippen, the organization will accept feedback on these options for about 30 days, at which time UEP's board of directors will determine any further course of action.

If an agreement can be reached and USDA agrees to institute hearing procedings, final approval of the marketing order is contingent upon the outcome of a nationwide referendum.

Ag committee hearing

(Continued from Page A1)

ministration; and officials from the Chesapeake Bay Commission, the Farm Credit Bank of Baltimore, Maryland National Bank, and state farm organizations.

At least four members of the subcommittee are scheduled to participate in the hearing, including subcommittee chairman Ed Jones, a Democrat from Tennessee.

Also scheduled to attend are Rep. Beverly B. Byron, the Maryland congresswoman who requested the hearing site at Westminster; Rep. William Emerson, a Missouri Republican; and Rep. Sid Morrison, a Republican from Washington state.

Congressman Bill Goodling, the Republican who represents the 19th Congressional District in Pennsylvania (York and Adams counties), also is expected to be in attendance.

Mark Kronenberg, Rep. Byron's legislative director, said the congresswoman requested the hearing in Westminster, recognizing that the state has not been affected by the farm credit crunch to the same extent as in the Midwest.

In fact, he said, she thinks the area may hold some important clues to agricultural economics, in its success in avoiding the current credit woes. In addition, he added, she hopes the problem will be addressed now so that the area will not be hit by credit problems in the future.

He also said the group will receive testimony about the impact soil conservation cutbacks might have on the Chesapeake Bay.

House Committee reports Product Commission bill

HARRISBURG — The state House Committee on Agriculture and Rural Affairs has acted favorably on a bill which would create an Agricultural Product Development Commission.

The committee reported the bill to the house by a 17-1 vote, at its meeting Tuesday at the Capitol.

The proposed Commission would promote food products grown or produced in the state, thereby "improving the public perception of Pennsylvania as an agricultural state," according to the committee's summary of the bill.

The commission, which would include the state's Agriculture secretary, four legislative leaders and 10 public members appointed by the governor, would be funded with $100,000 in state money. The body would be empowered to accept donations from the public and from producer groups.

The lone dissenting vote was cast by Democratic legislator Curt Bowley from Forest, Warren and Venango counties. In emphasizing his support for agricultural promotion, Bowley noted that he thought the bill was "very poorly written."

Bowley noted that he thought the state Agriculture department already was doing a good job of promoting the state's products, and said he wasn't sure what the new legislation would add to the department's efforts.

He also said he thought the Commission would simply create "another layer of government," and wouldn't receive significant contributions from producers and their associations, which are more likely to promote individual products than state agriculture as a whole.

At the same meeting, the committee gave its unanimous endorsement to the following legislation:

- H.B. 538, which amends the state dog law to exempt blind or deaf people from paying license fees for their guide dogs. It would also extend that exemption to individuals who handle or train guide dogs.
- H.B. 1038, which would permit local governing units to designate "scenic roads," in order to discourage high-density development.

CCC loan rate set at 9 3/8%

WASHINGTON — Commodity loans disbursed in May by the U.S. Department of Agriculture's Commodity Credit Corporation will carry a 9-3/8 percent interest rate, CCC Executive Vice President Everett Rank said today.

The new rate, down from 9-3/4 percent, reflects the interest rate charged CCC by the U.S. Treasury in May, Rank said.

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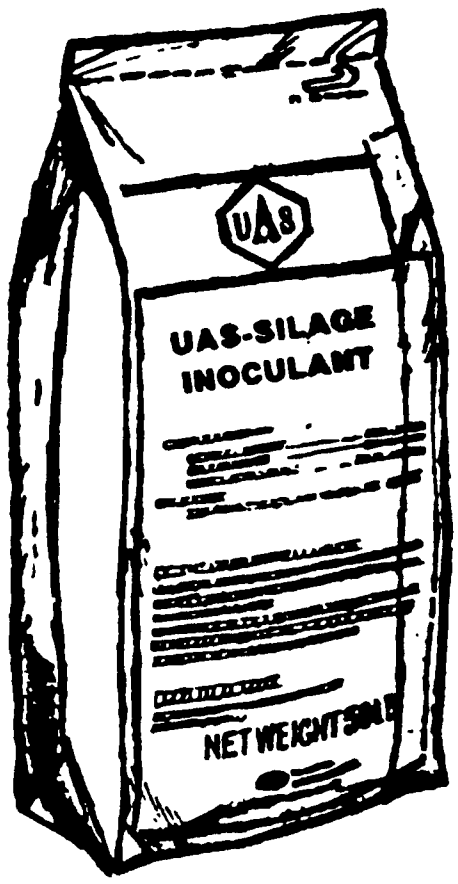

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ASCS to honor nation's top soil conservation farmer

WASHINGTON — The search has begun for the Nation's top three Outstanding Soil and Water Conservation Farmer and Rancher Awards.

According to ASCS officials, the 1984 National Endowment for Soil and Water Conservation Awards Program was a great success. State nominees from throughout the country competed for the honor of the Nation's top three Soil and Water Conservation Farmers.

In the 1985 program, each state will again have an opportunity to select their Outstanding Soil and Water Conservation Farmers and enter then in the national competition.

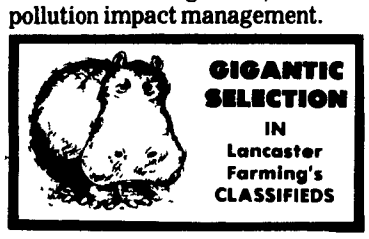
The 10 national finalists and their wives will receive an all-expense-paid to Washington, D.C.

Around Thanksgiving of 1985, they will be honored at a White House Awards Ceremony. U.S. Secretary of Agriculture John Block will participate in the ceremony and host a luncheon at the Department for the finalists, their wives, and families. Financial support for the program is provided by a grant from the DuPont Company.

According to ASCS officials, they will be looking for the Nation's top three farmers who have used innovative and effective conservation techniques in one or more of the following categories – soil resource management, water resource management, and/or pollution impact management.

Criteria for judging will include:
•the use of new innovative conservation techniques:
•the use of the farmer's own land and conservation practices to demonstrate problems and solutions to other members of the community: •the use of inexpensive conservation techniques utilizing the farmer's own labor and equipment.
•the demonstration of multiple sound treatments of the land in all the categories announced above.

For information regarding eligibility, selection criteria, and nomination format, contact your local ASCS office.



Beetle traps

WOOSTER, OH — When northern corn rootworm beetles see yellow, they're stuck, according to Thyril L. Ladd, Jr., entomologist with the Agricultural Research Service, U.S. Department of Agriculture.

Ladd painted fiberboard traps different colors, including high-gloss bright yellow, covered them with a sticky mixture containing eugenol, a food lure that attracts Japanese beetles, and exposed the traps on rods outside a cornfield at the Ohio Agricultural Research and Development Center, Wooster.

The yellow traps captured more northern corn rootworm beetles than blue, green, red, fluorescent green-yellow, orange, black or clear plastic traps, according to Ladd and coworkers Benjamin R. Stinner and Harvey R. Krueger, OARDC entomologists.

In earlier tests with various lures for Japanese beetles, Ladd found that eugenol attracted northern corn rootworm beetles.

"This was the first instance in which a pure compound not specifically related to a host plant, and not a pheromone, has been reported as an attractant for this pest," he says.

In another study, the researchers found that yellow eugenol-baited traps placed from ground level up to 10 inches above the surface worked best. The researchers captured more than three times as many beetles outside the field (73 per trap) as inside (21 per trap).

"Beetles move between corn silks, weeds, forbs, soybeans and other plants in late August and early September," Ladd says. "This may help explain why more beetles were captured outside the fields than within.

"The results of our tests," he says, "demonstrate that the most effective combination for capturing corn rootworm beetles is with yellow, eugenol-baited traps placed outside of cornfields at heights from ground level up to 10 inches."

Such a trap, exposed for 2 days, captured 211 beetles, more than eight times as many as unbaited sticky traps.

Three species of corn rootworm beetles are significant pests of field and sweet corn in much of the United States.

About 70 million acres of corn are susceptible to corn rootworm infestation each year, according to Gerald R. Sutter, director of USDA's Northern Grain Insects Research Laboratory, Brookings, S. Dak. Yield losses average about 2 to 3 percent per year, and about 30 to 35 million acres are treated with insecticides every year.

"When we add the yield losses to the $8 to $12 per acre cost of insecticide treatments, we are talking about a billion-dollar-a-year insect" Sutter says.

"Control of these pests is becoming increasingly difficult," says Ladd, "an efficient pest management depends on reliable information about the distribution and the density of infestations."

Monitoring the pest is difficult because the larvae live in the soil, and estimates of future populations must either be predicted by counting beetles of the parent generations in the field or by making counts of eggs or larvae in soil samples.

"Our goal," says Ladd, "is to develop information about the responses of the beetle to attractant-baited traps that will aid in monitoring beetle populations."

New USDA program:

Gypsy moth solution: 'Breed itself out of existence'?

WASHINGTON – U.S. Department of Agriculture entomologists are testing an environmentally safe method for eradicating isolated outbreaks of the gypsy moth, a major threat to trees.

While adult gypsy moths are harmless, their caterpillars–or larvae–feed voraciously on leaves of trees and shrubs, often leaving them bare.

"The new gypsy moth control method, while promising, is still in the experimental stage," says Secretary of Agriculture John R. Block. "It is based on the 'sterile male' technique developed earlier by USDA scientists."

The sterile male technique works by causing the target insect to breed itself out of existence.

"In the past, the technique has been applied to programs for eliminating such insect pests as Mexican fruit flies, which damage fruit and vegetable crops," he says.

Block says that to adapt the basic sterile male technique to gypsy moths, USDA pooled the resources of three USDA agencies: the Animal and Plant Health Inspection Service, the Forest Service and the Agricultural Research Service.

According to Leo LaChance, insect geneticist with the Agricultural Research Service, the basic sterile male technique depends on artificially raising a supply of insects, sterilizing them by radiation and then releasing them in an infested area.

"The number of insects released is so large that sterile males overwhelm fertile native males in finding and breeding with native females," he says. "Eggs produced from these matings do not hatch, thus ending the reproductive cycle of the insect without otherwise affecting the environment."

In 1980, USDA scientists used a small, isolated moth infestation at a test site in Michigan to demonstrate that the basic sterile male technique could eliminate gypsy moths.

However, Vic Mastro, methods development specialist for the Animal and Plant Health Inspection Service, and Tom ODell, research entomologist for the Forest Service, say the approach was impractical and costly. Moths had to be produced continuously because they could not be stockpiled, and they had to be released into the field daily for the technique to work.

"Under the new technique, the laboratory-reared, male gypsy moths are only partially sterilized," Mastro says. "And, instead of being released, these males are mated in the laboratory with normal, laboratory-raised females so that the eggs can be harvested."

The egg masses are released in the forests, where they hatch into normal-looking caterpillars that eat their usual fill of leaves. But, after emerging as adults, these moths are totally sterile. Wild female moths that mate with them produce eggs that will not hatch, ending further gypsy moth reproduction, Mastro and ODell found.

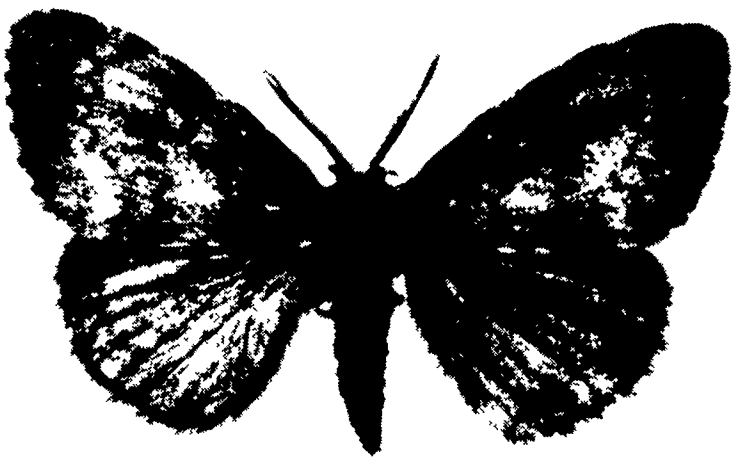
"This technique has many advantages," says Mastro. "First, production in the rearing facility focuses on producing eggs, not sterile male moths. Eggs are easier to produce and can be stored up to 100 days, increasing the capacity of the production facility more than a thousand times.

"Second, egg masses are easier to handle and simpler to distribute than sterilized males, and timing of the distribution isn't as critical," he says. "Eggs distributed prior to or during the normal hatching season adjust to the same environmental conditions as eggs produced by native gypsy moths."

The first pilot test of the delayed action approach was conducted in 1984 in a small, isolated gypsy moth infestation in Maryland, Spot tests show that the egg masses that overwintered in the area are sterile, and entomologists will conduct more intensive surveys to determine the success of the test.

"The beauty of the technique is that it may prove to be a good tool to manage gypsy moths without introducing pesticides into the environment," says Block. "If it continues to prove successful, the technique could be used by all agencies involved in the fight to slow the spread of the gypsy moth where infestation levels are low."

According to Pete Orr, Director of Forest Pest Management for USDA's Forest Service on the Northeast, gypsy moths have done serious damage–amounting to millions of dollars–in forests, parks and residential areas throughout the Northeast. While continuing to do damage there, they are spreading to many other areas of the United States.



A closeup of an adult, male gypsy moth.

Gary Moorehead, staff officer for field operations support in the Animal and Plant Health Inspection Service, says the leading edge of gypsy moth spread currently is in western New York, western Pennsylvania, northern Virginia and West Virginia.

"Isolated infestations have appeared in many other sections of the country, generally because infested logs, recreational vehicles and household articles stored outside were moved from the Northeast with gypsy moth egg masses or other life stages attached.

"To prevent gypsy moth populations from becoming established in these isolated infestations, USDA scientists always are on the lookout for novel eradication methods," Moorehead says. "For the first time in the effort to limit the spread of gypsy moths, the improved sterile male technique offers us an opportunity to design an eradication program that is in perfect synchrony with wild gypsy moths."

Findings so far have prompted USDA to proceed with expanded test plans in 1985 and with designing a physical plant to

(Turn to Page A32)

Gypsy moth battle combines chemical, biological pesticides

WASHINGTON – An integrated system of pest management will be used in all projects to eradicate or suppress gypsy moths, according to officials of the U.S. Department of Agriculture.

The policy decision was reached by the Animal and Plant Health Inspection Service and the Forest Service, two USDA agencies that share responsibility for combatting the gypsy moth.

Gypsy moth caterpillars hatch from mid-April to early May. While in the caterpillar stage, this pest of forests, parks and residential areas strips leaves from trees, causing serious economic damage.

The decision implements one option among four alternatives for treatment explored in a recently supplemented environmental impact statement, said Bert W. Hawkins, administrator of the Animal and Plant Health Inspection Service.

The alternative approaches are: no action against gypsy moths, permitting the pest to spread and multiply naturally; use of chemical pesticides only; use of biological pesticides only; and an integrated system of pest management including chemical or biological pesticides, or both.

"An integrated pest management approach combines several techniques with biological and chemical insecticides to get the greatest combined punch under local conditions," said R. Max Peterson, Chief of the Forest Service. "These include quarantines and inspections, parasite and predator management, a sex attractant (pheromone), the sterile-male technique to overwhelm breeding populations and management of forest stands."

"The policy applies nationwide," said Hawkins. "However, the environment impact of treatments will be worked out for each treated site before treatments begin.

"In conducting any gypsy moth program, we will work to minimize the resulting environment impact and we will monitor the result," he said. "We will make the maximum possible use of established natural controls, and we will also notify the public affected by gypsy moth treatments to minimize human exposure to any pesticide treatments used."

Hawkins said the USDA policy decision for gypsy moth programs has a long history.

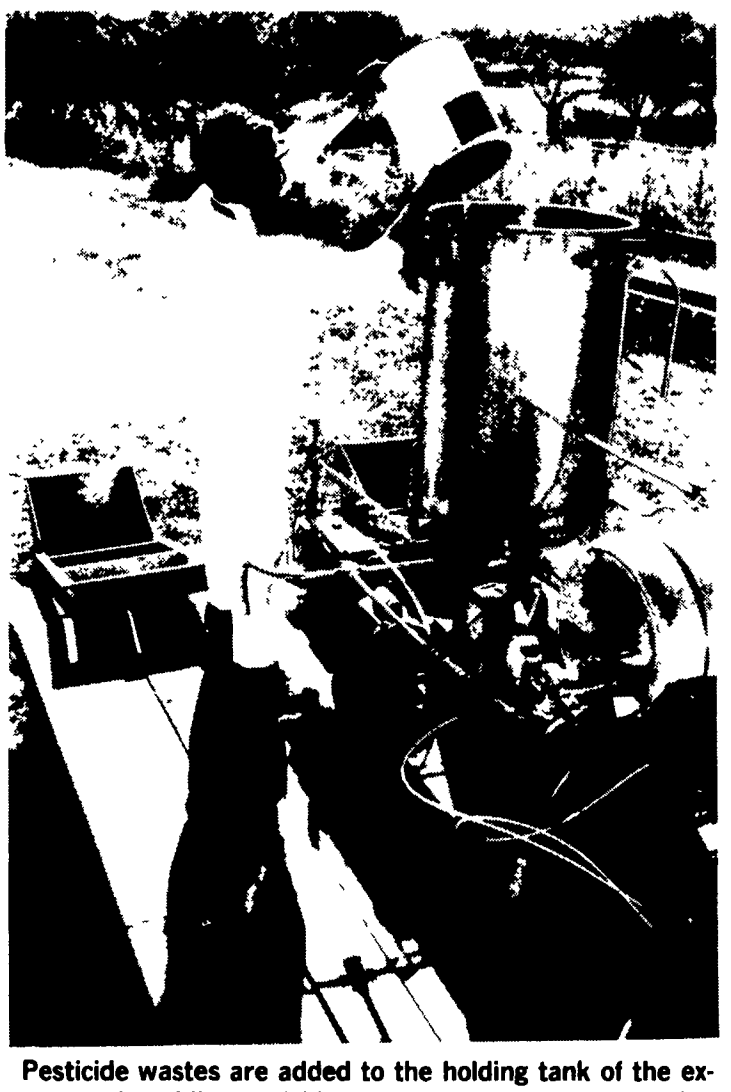
"We have accumulated a wealth of information and public comment in the process," he said. "An environmental impact statement on gypsy moth projects was published on March 16, 1984. Then, on Dec. 14, we significantly revised our analysis of human health risk posed by the chemical pesticides for the program: acephate, carbaryl, diflubenzuron and trichlorfon."

This supplemental information was published as a draft, and comments on the proposal were accepted through Feb. 21. USDA then prepared a supplemented environmental impact statement, which was published March 15.

Subsequent to publishing the supplemented statement, the U.S. Environmental Protection Agency released a list of pesticides "possibly contaminated with dioxin," which included diflubenzuron. All available information on diflubenzuron was reviewed and it was determined that this type of contamination did not exist in this product.

The policy for combatting gypsy moths covers the two basic types of treatments carried out by USDA. One, which suppresses gypsy moth numbers in established infestations, is carried out by the Forest Service in the northeastern United States. The other treatment eradicates isolated infestations in other regions of the country and is carried out by the Animal and Plant Health Inspection Service. These isolated infestations generally result when people move their households from the Northwest and take along infested recreational vehicles, or logs, firewood and other articles stored outdoors.

Philip C. Kearney of USDA's Agricultural Research Service inspects one of the 66 tubes that generate ultraviolet radiation in a portable system being tested by USDA researchers to speed the breakdown of pesticides in waste water.



Pesticide wastes are added to the holding tank of the experimental mobile pesticide treatment system undergoing field tests at USDA's Agriculture Center in Beltsville, Maryland.

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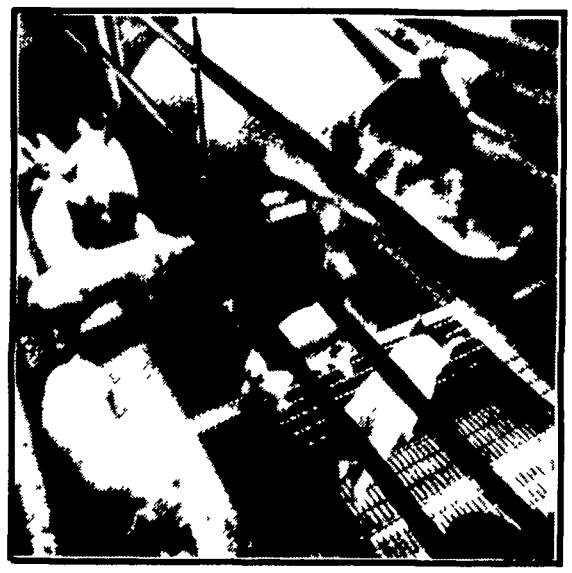

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Home gardeners help researchers test new varieties

ITHACA, NY – Thousands of home gardeners throughout most of New York State this spring are taking part in two Cornell University gardening projects that will ultimately benefit them most.

They are trying out three potato varieties, including an experimental line called "NY-73" that has been developed by Cornell scientists in a program to breed biological resistance to the soil-dwelling golden nematode and diseases into several new potato varieties under development.

In another project, home gardeners are evaluating three kinds of snap peas, including "Sugar Daddy"–a stringless type being introduced to the gardening public for the first time this year.

Sponsored by Cornell Cooperative Extension, the gardening projects are organized and coordinated by Roger A. Kline, a vegetable crops specialist in the New York State College of Agriculture and Life Sciences at Cornell. Kline heads a team of vegetable crops specialists responsible for gleaning the best varieties for home garden use in the Northeast.

Each year, home gardeners face scores of new varieties to choose from–a task that often baffles even expert gardeners. To make the job easier, Kline and his colleagues test new and potentially improved varieties for at least two years or more before recommending successful ones to gardeners.

Thus, the listing of Cornell-recommended varieties is updated annually. This year's list, for example, contains more than 370 varieties, including seven new ones, covering 39 crops ranging from asparagus to watermelon, from beans to rutabagas, from beets to popcorn.

The test-proven varieties selected by Cornell represent the "cream of the crop," yet one nagging question remains–will they do as well in many other parts of New York as they did in Cornell's research plots near campus?

One way to find out is to test them statewide. This is where legions of home gardeners come into the picture.

Response to this idea, first tried out by Kline several years ago, has been tremendous. During the past three years, for example, New York's home gardeners evaluated a Cornell potato variety named "Rosa," a mild storage onion called "Sweet Sandwich," and "A-plus" carrot that produces twice the usual amount of carotene, a substance that can be converted to vitamin A.

"Based on our statewide evaluation results, in part, seed houses now carry these varieties," Kline points out. "Information gathered through the participating gardeners played the pivotal role in deciding the fate of these varieties."

Building upon the success with such statewide gardening projects, Kline is conducting similar trials on potatoes and snap beans this year through a number of county offices of Cornell Cooperative Extension.

The potato project has already attracted as many as 2,500 gardeners in 44 counties across the state. The snap pea trial has some 900 participants in 30 counties, plus New York City.

With the cooperation of Donald E. Halseth and Robert L. Plaisted, both at Cornell, Kline has provided 10,000 pounds of seed potatoes; each gardener's share amounts to four or five pounds. The varieties involved are NY-73, Norgold Russet, and BelRus, all baking types.

Under favorable growing conditions, Cornell's NY-73 potato is an oblong, russet variety. Participants will grow NY-73 and compare its performance with either BelRus or Norgold Russet. Russet Burbank, the nation's number one baking potato for more than a century, usually grows poorly in New York State.

"No baking potato variety tested thus far has consistently been ideal in all characteristics," says Kline. "The varieties now being tried out by home gardeners represent some of the best potatoes we can offer for New York."

As for the snap pea project, Sugar Snap, Sugar Ann, and Sugar Daddy are being evaluated. They differ from one another in plant size, total yield, time of first harvest, and quality, but all three peas are edible–pods and all. Nearly 3,000 seed packets containing these varieties have been distributed to the participating gardeners.

Considered a breakthrough, Sugar Snap is the first in a series of edible pod snap peas developed by an Idaho-based seed firm. One problem with this variety has been its plant size that gets up to 5 to 6 feet tall.

Sugar An and Sugar Daddy are variations of Sugar Snap, with their plants reaching anywhere from only 18 inches to 40 inches, Kline explains. These varieties are ready for harvest 8 to 10 weeks after planting in early spring, through mid-May.

All participating gardeners are asked to rate the varieties they test in terms of growth, yield, and taste, among other characteristics.

"The information from the gardeners will give us an invaluable insight into how these varieties will perform in numerous locations across the state," Kline says. "Ultimately, the main beneficiaries of these projects are none other than the gardeners themselves."

Acres enrolled in Franklin County

CHAMBERSBURG – When the 1985 farm program sign-up period ended April 1, Franklin County farmers had enrolled 12,930 acres, or 25% of the eligible wheat and feed grain bases in the county.

R. Gene Stoner, ASC Committee Chairman, said Franklin County producers enrolled 193 farms in the programs and agreed to take out of production, at least 30 percent of their wheat and 10 percent of their feed grain base acres.

"This means that as much as 1548 acres of cropland in the county could be idled this year, depending on how many acres of program crops are planted by participants," Stoner said.

Crop base acres enrolled in the 1985 farm programs include 11,654 acres of feed grains and 1276 acres of wheat.

Program participants will be eligible for price support loans at $3.30 a bushel for wheat, $2.55 for corn, $2.08 for barley, $1.31 for oats, and $2.42 for sorghum. They are also eligible for target prices of $3.03 per bushel for corn, $2.98 for sorghum, $2.60 for barley, $1.60 for oats and $4.38 for wheat.

USDA's gypsy moth solution

(Continued from Page A30)

produce partially sterilized eggs in later years.

The pilot plant at Otis Air Force Base, Mass., is being expanded to produce about 800,000 egg masses, each capable of yielding 250 sterile insects, Mastro says. These 200 million sterile gypsy moths will mate with native fertile moths, but will produce no offspring.

Special areas in the rearing facility are designed for preparing the diet fed to the caterpillars, hatching and holding the moths, and producing and refrigerating the egg masses. Currently, the cost of production and application is about $25 per acre, but entomologists know that future improvements in mass production will substantially lower costs.

"The plan for 1985 is to treat about 25,000 acres of isolated spot infestations at three or four sites in the Midwest and Northwest," says Moorehead. "This will be done in cooperation with state officials. Negotiations already are under way for two sites–one in Whatcom County, Wash., and the other in Dark County, Ohio.

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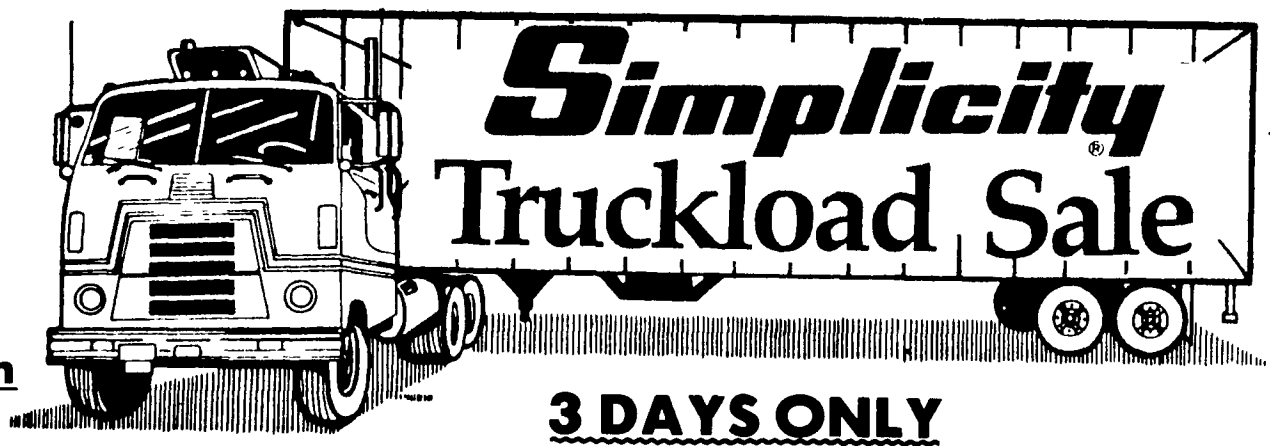

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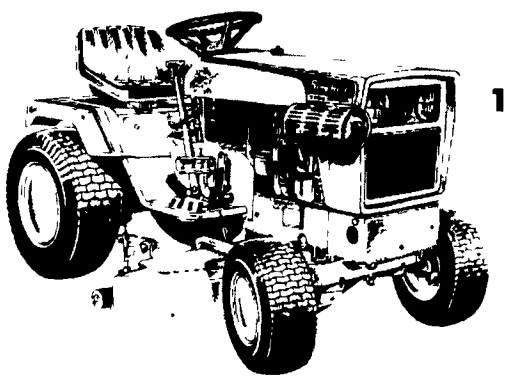

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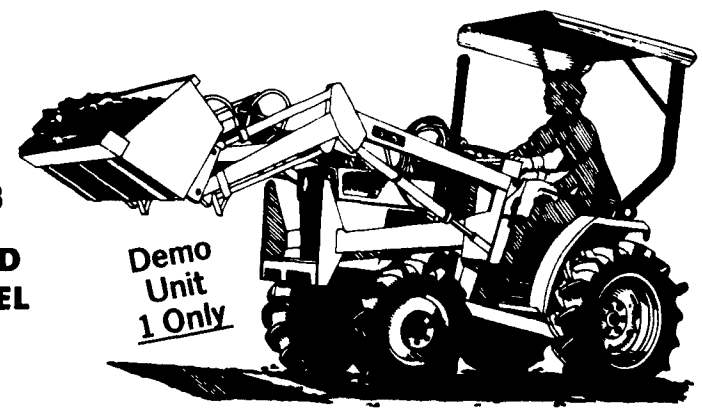

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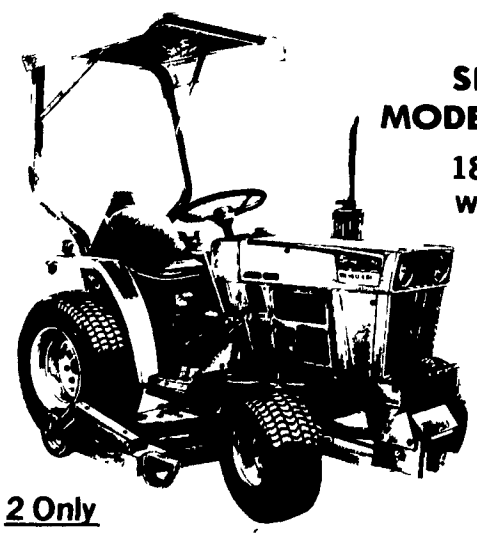

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Alfred wins judging contest

The Alfred (NY) State Agricultural and Technical College livestock/crop judging team took first place in hay judging at the second annual Canadian Intercollegiate Judging Competition involving both two-year and four-year colleges. Holding their plaques are, kneeling, from left, Albert L. Kroening of Sanborn, N.Y. and Jay R. Steele of Broadway, NJ; standing, from left, Professor Lee LaRochelle, team coach; Frank A. Concoby of Sugar Grove, PA; Boyd F. Andrews of Willseyville, NY; and Brian R. Koontz of Bedford, PA. The other team member was Dale Covert of Freedom, N.Y. Overall, Alfred was eighth in the competition.

Watching for wheat diseases

For most people, making a sound economic decision depends on the ability to observe the situation and weigh the various alternatives For the wheat farmer, however, observation is even more critical, especially when it comes to wheat diseases and their control.

Wheat diseases can steal as much as 20 percent of the U S wheat crop annually, and can reduce on-the-farm yields up to 50 percent if severe infections are allowed to develop. To prevent or conquer these diseases often requires the "best offense is a good defense" approach. This effective disease control strategy hinges on the grower's ability to recognize and treat disease problems at the earliest possible stage.

According to Dr. Ken Noegel, fungicide research manager for Mobay Chemical Corporation, scouting is very important in preventing diseases from taking the early lead, and in giving growers the opportunity to evaluate the general health of their crops.

"Growers should maintain a watch over their fields on a weekly schedule from spring greenup to the end of the growing season," says Noegel. "And they should look in a random fashion throughout their fields for signs of any disease."

Some of the more common and easier-to-spot disease wheat farmers will come in contact with this spring are Septoria leaf blotch, powdery mildew and rust Growers here in the Eastern U S will generally see powdery mildew, Septoria and leaf rust However, Noegel stresses that environmental conditions in every field are different and that the types of diseases and severity will vary from field to field

"Producers should be aware of weather factors in their area that are conducive to a particular disease," says the researcher. He explains that cool, humid conditions early in the spring favor powdery mildew, and warm, wet weather leads to more leaf rust and Septoria.

Growers can usually diagnose these common diseases by the signs they leave on the plants. Powdery mildew shows up as cottony-white patches of fungus on the lower stems and upper surfaces of the lower leaves. Septoria leaf blotch will first appear on the older leaves as long, water-soaked lesions that later become yellow and reddish-brown Leaf rust has the broadest geographical distribution of wheat diseases, and appears as round rust or orange-red spots on the upper leaf surfaces, leaf sheaths and stems.

One of the most important stages in the development of the wheat plant is the emergence of the flag leaf and head The flag leaf contributes 60 to 80 percent of the final yield, so protection of the flag leaf from disease is a must if maximum yields are to be attained.

Although a preventative spray program is recommended by many experts for higher yields, low disease pressure or low yield potential of the wheat variety may make it more economically expedient to closely monitor the crop and treat only if necessary.

"Generally, we advocate a preventative program because it lowers the inoculum level to the point where a serious disease outbreak probably won't occur and a second application may not be needed," explains Noegel. "On a curative or eradicative program, too much damage can be done to the crop before treatment and a higher fungicide application rate is needed."

If growers decide to wait, however, and a disease outbreak does occur, Noegel recommends that they check with their local extension agent orcrop specialist on what steps to take. Many have local foliar fungicide point systems they can use to determine the extent of the infection and whether treatment is economically justified.

"The local university or crop specialist has guidelines that should be followed," notes Noegel "They know the conditions of the area and how to best deal with the situation."

As more Eastern wheat growers move toward intensive cereal management practices involving the use of heavy fertilization, high seeding rates and high-yielding plant varieties, they are creating conditions that favor the proliferation of diseases.

"Grower awareness of the effect of diseases on cereal yields is increasing," states Noegel, "And as intensive cereal management becomes more prevalent, it is likely that yield losses to diseases will increase. To help the farmer reduce these losses, the use of fungicides will become an economical part of his wheat management program"

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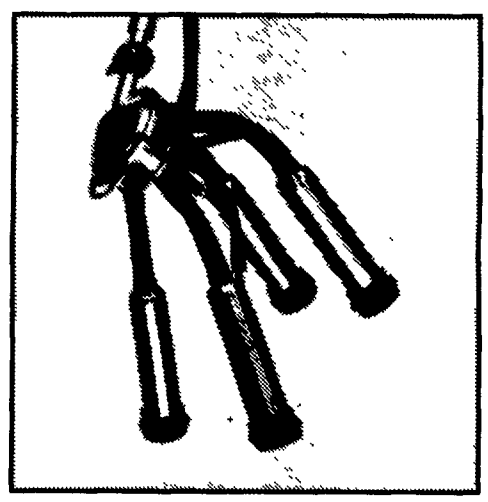

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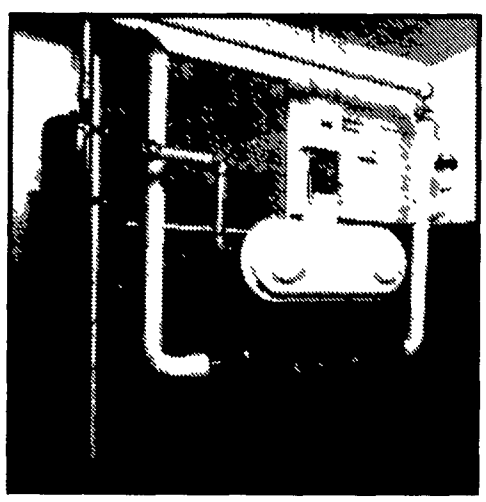

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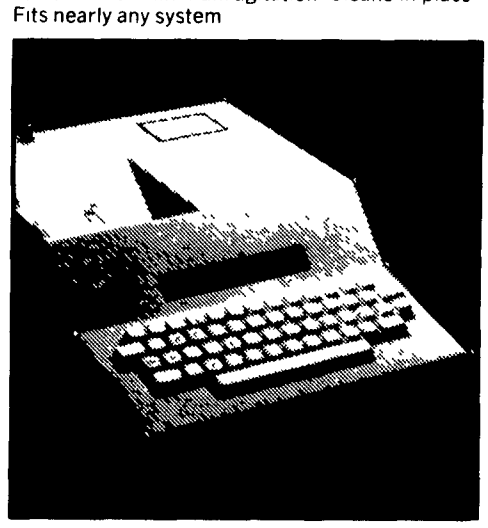

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Farm show theme winner

HARRISBURG A theme recognizing the accomplishments, leadership and technological impact of Pennsylvania Agriculture has been selected as the award winning entry in the Farm Show Revolutionary Theme Contest, according to the State Farm Show Commission

"Pennsylvania Agriculture – Growing Ideas For the Future," was chosen by the Commission as the central theme for the 70th anniversary Farm Show, January 12 through 17, 1986

Charlene E. Pearce of Painted Hill Farms, Kylertown, Clearfield County, submitted the entry. More than 50 entries were reviewed by Commission members.

For her efforts, Pearce will receive a $100 savings bond on Secretary of Agriculture's Night, Monday, January 13 at the 70th Farm Show.

20,000 flock to Maryland Sheep and Wool Festival

BY JOHN STOKES SCHMIDT
Staff Correspondent

WEST FRIENDSHIP, Md — Nearly 20,000 people attended this year's 12th annual Maryland Sheep and Wool Festival. Estimated gate counts indicate that this year's attendance nearly doubled last year's previous record. "All available space was sold," stated festival treasurer Ellen McFann.

A friendly atmosphere awaited everyone who enjoyed the fine weather on May 4 and 5 at the Howard County Fairgrounds. Festival goers spent hours taking in the expanded exhibits, demonstrations and food with the focus on lamb.

Crowd-pleasing events included sheepdog demonstrations by David Kennard of Wellscroft Farm, New Hampshire, an all-wool fashion show of handmade outfits, a sheep-to-shawl contest and the Maryland Lamb and Wool King and Queen contests.

Jamie Blondin was selected to promote lamb and wool as king for 1985, and Karen Fleishell of Woodbine, Md., became the new queen.

A junior spinning contest and Scottish dancing helped to round out the festival, along with nearly 150 exhibits of wool and non-wool items.

Judges from New Hampshire and Maryland chose Clover Hill Spinners of Baltimore to top the Sheep-to-Shawl competition. These four ladies began with a freshly shorn fleece and transformed it into an attractive shawl in only a few hours.

In the Make it with Wool contest, Mary White of Jarrettsville and Jody Rice of Rockville were the winners in the adult and junior divisions, respectively.

Breeders travelled from Ontario and 10 eastern states to compete in natural-colored, white wool and purebred sheep shows held on Saturday and Sunday.

More than 300 sheep paraded before judge Glen Eidman of Kansas before he selected Wooly Hill Farm, Lincoln, Vt., for champion and white wool premier exhibitor honors.

In the Border Leicester show, Sheepscot Farm, Mesopotamia, Ohio, took premier exhibitor, while Hemlock Hill Farm, Sabillasville, Md., took the same award in Romney competition.

In the traditionally competitive carcass competition David and Nancy Greene of Whitehall, Md., went home with the champion ribbon, while reserve honors went to Don and Carol Goode also of Whitehall.

Other top competitors included:

•Sally Young, Cannonsburg, Pa., champion long wool and Romney ewe.

•Claire and Sara Gardner, Dickerson, Md., colored breed premier exhibitor.

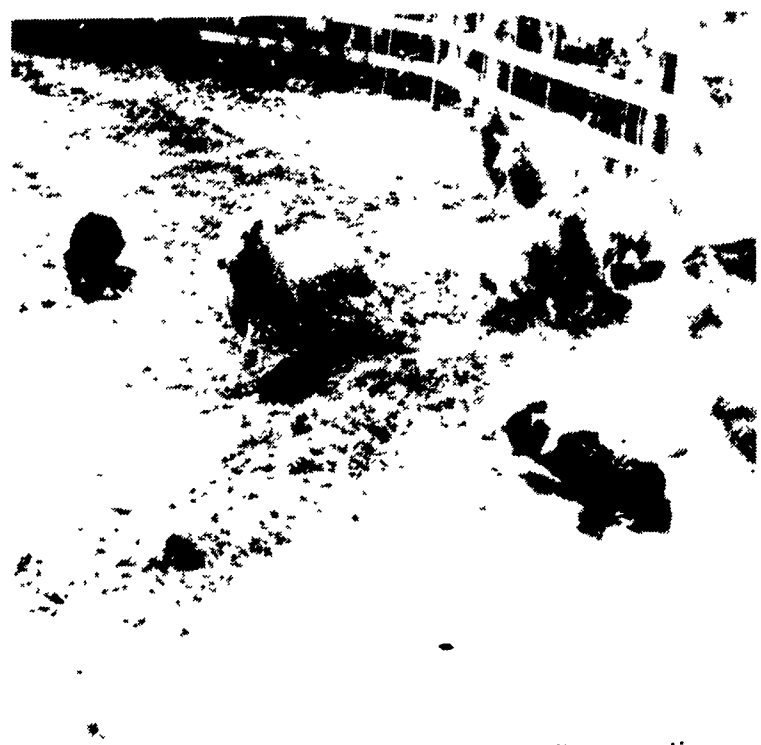
•Cedar Cliff Farm, Union

(Turn to Page A38)

Clover Hill Spinners of Baltimore placed first in the Sheep-to-Shawl contest.

Kentucky spinning wheel maker Michael Wilson has a few pointers for Alan Sher of Rockville, Md.

Sally Young's grand champion Romney also topped long wool competition. With her is Md. Lamb and Wool King Jamie Bondin.



David Kennard's dog showcase their herding expertise.

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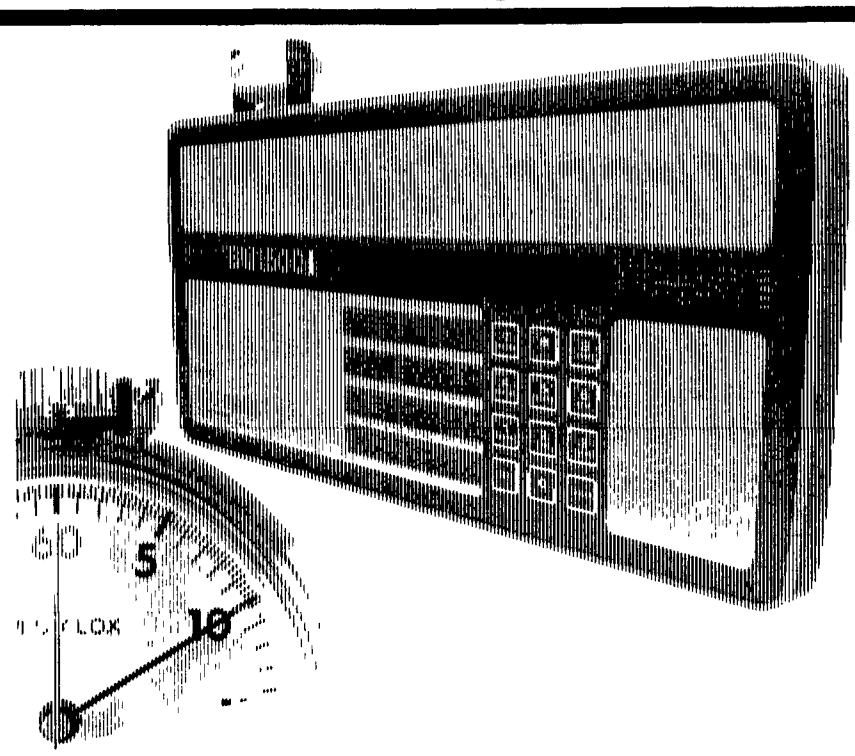

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National Dairy Board reports advertising evaluation results

ARLINGTON, Va. — The first measures of consumer recall for National Dairy Board and other organizations' milk, cheese, butter and dairy calcium advertising indicate that awareness and recognition of dairy product advertising has increased significantly.

Consumer interview is one of three techniques being used to gather data to evaluate the effectiveness of advertising carried out under the national promotion program. The evaluation will cover all advertising by the National Dairy Board and the state and regional promotion organizations which comprise the United Dairy Industry Association and COW Dairymen, Inc.

The National Dairy Board has contracted with five firms to gather data and conduct an independent analysis of its advertising program. Consumer interviews, information on food purchases from split-cable scanner markets and secondary data on consumer purchase behavior and characteristics will be used in the analysis. Consumer recall interviews were carried out by Ad Factors, Inc., Chicago.

Highlights

Of the approximately 60 percent of the mature women (50+) who said they are doing something to combat calcium deficiency/osteoporosis, 82 percent (up from 54 percent) indicated that they are consuming dairy products to avoid these problems.

Adults who report they have seen or heard fluid milk advertising grew by ten points, from 77% to 87%.

The percentage of households reporting they have seen or heard cheese advertising increased eight points, from 64% to 72%.

Dairy Foods Value (Calcium)

Interviews were conducted in November, 1984 (prior to the beginning of calcium advertising) with 501 women and in March, 1985 with 500 women in the three target groups: young women 13-24; adult women 25-49; and mature women 50 and over.

Awareness of the calcium advertising increased during the November to March period. Unaided recall rose from 56% to 64%. Reactions to the advertising are positive–consumers find it informative and meaningful without being preachy or boring.

Interest in avoiding or correcting calcium deficiency is growing, especially among adults and mature adults. The percentage of those who say they are doing something to avoid or correct calcium deficiency went up ten percent.

Attitudes reflect continued growth in awareness of the need for calcium, concern about getting enough of it, and a perception of dairy foods as a preferred source of calcium and other nutrients. At the same time, there was no increase in negative perceptions of dairy foods.

Those who "strongly agreed" with the statement "I worry I may not be getting enough calcium" rose from 10% to 17% (young women); from 14% to 21% (adults); and from 23% to 33% (mature women). Adult women who agreed strongly that "Milk is a better source of calcium than most other foods," rose from 37% to 46%. Mature women who agreed strongly that "dairy products have more nutrition per calorie than most foods" grew from 26% to 38%.

Gains were also evident in the percentages of young and mature women who agreed strongly the "Adults, especially females, need calcium from milk and dairy products," going from 32% to 42% (young women) and from 47% to 62% (mature women).

The approximately 40% of young women, 55% of adult women, and 60% of mature women who reported they were doing something to prevent calcium deficiency/osteoporosis were asked what steps they were taking. The answer "consuming dairy products" rose across the board–among young women from 76% to 90% and among adult and mature women from 78% to 83% and 54% to 82%, respectively.

Adult Milk

Interviews were conducted in October, 1984 and February, 1985 with about 100 people in the West Coast (COW area) and with about 400 in the rest of the country (UDIA area). All were aged 13-34, the National Dairy Board's target age group.

Those who recall seeing or hearing advertising for milk rose from 77% to 87%. In the UDIA area of the country, awareness of the slogan "Milk's Got More" rose from 65% to 87%. Slogan awareness in the COW area remained at a high level, going from 93% to 94% for the longer running "Milk–It Does A Body Good."

Respondents who felt the advertising's message was that "milk is good for you" grew from 85% to 88%. Recognition that adults, especially women, need dairy products' calcium went from 62% to 66%. Those who said that the importance of calcium was the main message of the ads rose from 4% to 12%.

The percentage of adults reporting that they drank milk "every day" rose from 56% to 61%. Those who "never" drink it dropped from 11% to 7%.

Children's Milk

Approximately 500 children aged 8-12 were interviewed in October, 1984 and February, 1985 in both West Coast and "rest of country" areas.

In February, the children surveyed were more able to "play back" the nutritional message of the commercials. The number of children who said the ads showed that "milk is good for you" went from 12% to 19%.

Recall of specific commercial elements–the action in them–scored 49% in February over 39% in October.

An important score in children's advertising–the number saying "kids my age would like these ads" went from 67% to 73%.

Cheese

Interviews were conducted in October, 1984 and February, 1985 with about 100 people in the West Coast (COW) area, and 400 in the "rest of the country" area. All were in the National Dairy Board's cheese target group, aged 25-54.

The percentage of households reporting that they have seen or heard cheese advertising increased from 64% to 72%.

Recognition in the COW area of the country of the slogan "Say Cheese" grew from 43% to 67%. In the UDIA area, recognition of "Make Your Meals Sing With Real Cheese" rose from 17% to 25%. The West Coast theme has been used in advertising longer than has "Make Your Meals Sing With Real Cheese." It is also a relatively common and easily recognized phrase.

Advertising appears to be having an impact on increasing positive attitudes toward cheese's versatility and sensory gratification–its taste and appeal.

Those who felt "cheese goes with a variety of foods" grew from 75% to 82% Those who said cheese "looks good/appetizing" went from 0% to 4%. Those who found the ads "meaningful to you" rose from 34% to 44%; those who found them "entertaining" went from 21% to 28%.

Among the ads' messages identified: "cheese is good for you" (8% to 13%) and that there are "many ways to use it" (10% to 18%).

There was also growth in the attitude that cheese is a good value for the price (from 7% to 21%). Those who said "the price is too high" declined from 43% to 37%, indicating cheese is assuming an increasing value among those interviewed.

The test sample reported, however, that their use of cheese was unchanged from already high levels. Those reporting "every day" use of hard cheeses increased 1% from 14% to 15%. Those using it "several times a week" remained at 42%.

Butter

Interviews were conducted in October, 1984 and February, 1985 with about 100 people in the West Coast (COW) area and 400 in the "rest of the country" area. All were drawn from the 19 markets where the National Dairy Board is advertising butter, and those receiving UDIA butter advertising. All were aged 25-54, the Board's butter target group.

There was no statistically significant change in the messages people received from the advertising. Message recall focused on taste and product quality. Those who thought the meaning of the advertising stressed product quality rose from 14% to 23%.

Attitudes toward butter indicate that those who "like the taste of butter" rose from 70% to 75%. However, there was an increase from 53% to 61% of those who felt "butter is fattening."

"Overall, this data is positive and trending in the right direction," said National Dairy Board Chief Executive Officer Joseph Westwater, "but four months of advertising is a very short time to see a significant difference in awareness of ads. Most people in

(Turn to Page A37)

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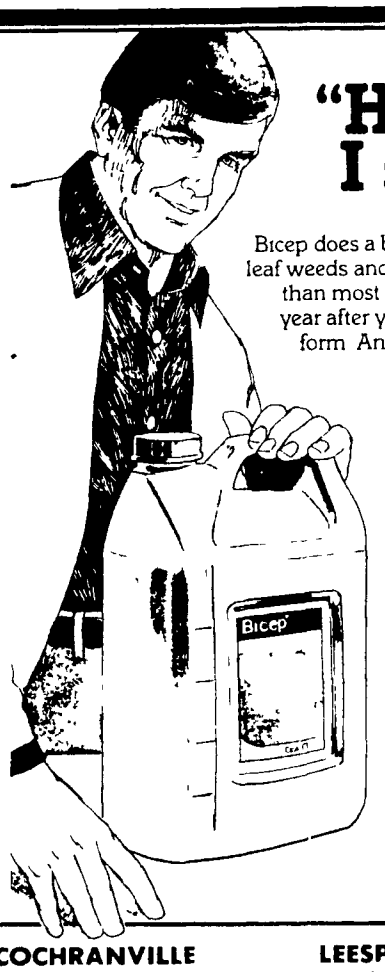

"Here's why I sell Bicep"

Bicep does a better job of controlling broadleaf weeds and grasses in corn and sorghum than most tank mixes In field after field year after year I ve watched them all perform And I ve had my customers come back, for Bicep

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- Weed and grass control that you don t get with other prod ucts or tank mixes
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Dairy Policy Options for 1985: Cost Sharing Programs

EDITOR'S NOTE: This is the seventh in a series of nine articles about dairy policy options for 1985. Compiled by Jack Kirkland and Blair Smith, Extension ag economists at Penn State, the articles are written by a variety of national authorities on dairy policy issues.

We are printing these articles to help you better understand and evaluate the policies and programs the dairy industry faces, and to help you take a more effective stand for the program you choose to support as the 1985 Farm Bill is formulated.

For further information about these articles or about dairy policy, contact your Extension agent.

BY RONALD D. KNUTSON
TEXAS A & M UNIVERSITY

While most people recognize the need for government involvement in the dairy industry, many would like to see dairymen assume greater responsibility for controlling government program costs and stabilizing milk production.

Such an objective could be achieved through the implementation of cost sharing programs.

What Are Cost Sharing Programs?

Under a cost sharing program dairymen would, as a matter of public policy, be required to pay for a portion of the cost of operating the milk price support program.

One cost sharing program is implemented by a producer assessment per cwt. of milk marketed. Such an assessment was authorized for milk by the 1982 budget law, and began at the level of 50 cents per cwt. on April 16, 1983.

Cost sharing programs have a primary goal of reducing government costs associated with dairy programs. Increasingly the beneficiaries of government programs are being asked to pay for a substantial proportion of their costs. The results have been the initiation of user fees on a wide range of government services.

Farmers view such fees as a tax that is to be resisted unless the loss of the program is at stake. However, the program may also be viewed as a producer self-help program whereby government assists in achieving program objectives such as enhancing producer income while maintaining a supply-demand balance.

Alternative Mechanisms for Implementing Cost Sharing

Cost sharing programs can be used to meet the dual objectives of controlling program costs and stabilizing milk production in three ways:

1. The assessment could be used strictly ***to pay for a portion of the cost of operating the milk price support program.***

This was done with the first 50 cent pet cwt. assessment in effect from April 1983 through November 1983.

In contrast to a fixed assessment, it could be variable, rising when program costs are high and falling or even being eliminated when program costs are low. The assessment could be implemented only when program costs rose above a certain level say $500 million.

Operated in this manner, the assessment would, in effect, automatically lower the milk price support level, much like supply demand adjuster pricing discussed in the fourth article.

2. The assessment could be an ***incentive for production adjustment.***

The Dairy Production Stabilization Act of 1983 accomplished this by utilizing the 50 cent assessment to pay dairymen who reduced their production from their base at the rate of $10 per cwt. The milk diversion program, in effect, transferred income from the nonparticipants to the participants–that is, from those who did not volunteer to reduce production to those who did.

Another form of this program, in effect only from September through November 1983, refunding a second 50 cent per cwt. deduction only to those producers who reduced their production by 8.4 percent.

3. The assessment could be expanded to include Commodity Credit Corporation (CCC) inventory management; production adjustment; and demand expanding product development, advertising, and research program components.

Such a package might be viewed as the application of a government-industry market management concept. In such a self-help concept, a national hearing could determine decisions on the appropriate combination of support price level; CCC inventory policies; production adjustment incentives; and product development, advertising, and research expenditures.

Assessments require a mechanism for collecting and disbursing funds. In the milk diversion program, states blanketed by a federal milk marketing order effectively utilized these offices as a source of information on production and a mechanism for collection of the assessment.

Diversion program experience suggests the need for more complete information and regulatory activity in Grade B milk producing areas such as Minnesota and Wisconsin. These developments suggest the need for and desirability of close coordination between and/or consolidation of the administration of all milk programs into a single USDA agency.

Conditions Fostering Need for Cost Sharing

The need for consideration of cost sharing programs as a dairy policy option was and is largely the result of the periodic build up of surplus dairy product stocks and large government expenditures on dairy programs. Specific conditions fostering cost sharing include the following:

1. Controlling government program costs has become a major dairy policy issue. Since 1980, net government expenditures on dairy programs have averaged $2.25 billion.

Cost sharing programs hold substantial potential for keeping dairy program costs at a relatively low level – say below $500 million annually. A simple reduction in support price could be used to control program expenditures, without the bureaucracy and administrative costs of an assessment program.

However, past experience indicates that reducing the price support level is extremely difficult.

2. Increasingly, questions are being raised about the need to spend any public monies on dairy programs. In other commodities, such as tobacco, the result of such questions has been the implementation of cost sharing programs.

As such concerns continue to build, cost sharing programs could become an increasingly viable dairy program option.

3. Surpluses and high government costs result largely from errors in setting the milk price support level. Some of these errors could have been prevented. Others are a result of the instability and uncertainty inherent in agriculture.

In either case, cost sharing programs could be utilized to bring production back in line with consumption.

Consequences of Cost Sharing

Without production controls, cost sharing simply automatically adjusts the effective milk price support level to the market clearing level. Therefore, if the price support is initially set above the market clearing level, the assessment will reduce producer returns ***without affecting the prices paid by processors or consumers.***

Prices would be more stable than in the free market because the government would still by buying surplus dairy products. However, producer returns would fall when program costs increase and producer assessments, thereby, rise.

If the assessment is used to control production, producer returns are redistributed in favor of those who control production.

Product prices would rise if controls were effective in reducing government stocks to acceptable working levels or lower. Processing cooperatives and other handlers would thereby run the risk of periodic short supplies due to misjudgments in the degree of control exercised.

Such shortages were evident in the 1984-1985 milk diversion program experience throughout the southeastern United States. However, the less harsh production adjustment opinion of returning a portion of the checkoff to producers who do control production may avoid some of these overadjustment problems.

The cost sharing option that integrates inventory management, production control and demand expansion programs into a single package offers substantial potential for stabilizing the industry while taking measures to expand product demand.

Questions, however, arise as to whether the quantity of regulatory activity involved is too great to perform effectively and efficiently. Past experience with high levels of regulation, both within and outside the dairy industry, confirm this concern.

Cost sharing programs may be more expensive to society than simply allowing the free market to determine the price of milk. However, such programs could be justified on the grounds of the need to avoid the instability of free market price and income and to produce an overall reduction in direct government program costs.

Ripken joins Schmidt for MAMMA campaign

TOWSON, MD – Baltimore Oriole Cal Ripken Jr. and Philadelphia Phillie Mike Schmidt may not meet each other on the playing field this season until the World Series, but they are already challenging each other for the best record.

Schmidt, once Most Valuable Player (MVP) of the National Baseball League, and Ripken, once an American Baseball League MVP are making the challenge as part of the "Drink Your Milk Sweepstakes," being offered to consumers in the mid-Atlantic.

The Advertising and Promotion Agency of the Middle Atlantic Milk Marketing Area (MAMMA) is sponsoring the sweepstakes that gives the winning contestant an all-expense-paid weekend trip for two to the 1985 World Series.

To enter, the contestant must guess the number of: glasses of milk consumed, home runs, triples, doubles, singles, RBI's, and consecutive games played by each player.

Coupons and rules for the "Drink Your Milk Sweepstakes" will be available in Orioles and Phillies baseball programs, and at the dairy case in participating food stores in the mid-Atlantic.

MAMMA has also cast the two heavy hitters in a 30-second television commercial with the same theme. The new commercial pits the two super stars against each other in a locker room discussion of, "Who's the biggest milk drinker?" Each athlete of course, thinks that he is because of his major league records and statistics. Cal claims he is because he hit .304 in 1984.

Mike says he is because he hit 36 home runs last year. Cal disputes that with his amazing statistic of playing in every inning of every game for two years straight. The two agree to wait until the World Series to find out who really is in fact, the biggest milk drinker. The spot ends with the two toasting and "drinking to that" with their glasses of milk.

This is the first time two major leaguers have worked together. In previous years MAMMA had contracted with Scmidt to do advertising in the Philadelphia-Harrisburg areas, and with Ripken in the Baltimore-Washington area.

"We found that the popularity of the two baseball players transcends their own territories, so this year we decided to bring them together in a multi-media campaign that will cover the entire mid-Atlantic market," said MAMMA Manager, Dick Norton. "We have two versions of the television commercials, in one Ripken gets the last word, in the other Schmidt does.

Baltimore Oriole Cal Ripken, Jr. and Philadelphia Phillie Mike Schmidt raise challenging toasts in the Middle Atlantic Milk Marketing Area's new television commercial, "Who's The Biggest Milk Drinker?"

"Four 60-second radio commercials featuring both Schmidt and Ripken have also been developed. And separate billboards of each player. All elements of the campaign include MAMMA's, 'Milk. It's Fitness You Can Drink' tagline."

Of their association with milk, both agreed that it is extremely important to them, especially for their images with children. Ripken said the "Kids are always coming up to me at the ballpark and telling me that they drank their milk Fathers also boast that their sons, 'drink their milk so they can be a ballplayer like you Cal.' That makes me feel great."

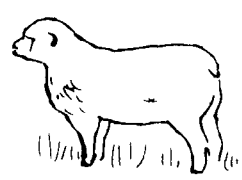
MAMMA is a dairy farmer funded and directed, promotion agency responsible for advertising and promoting milk and dairy products in the Middle Atlantic Milk Marketing Area (Federal Order #4).

Franklin County wool payments

CHAMBERSBURG – Franklin County's sheep growers received $9,026 for their 1984 sales of shorn wool and unshorn lambs, according to Thomas Kerr, County Executive Director of the Agricultural Stabilization and Conservation Service. In 1983, wool incentive payments totaled $8674.

The 1984 national average market price for shorn wool was 79.5 cents a pound, 85.5 cents less than the $1.65 per pound support price, according to Kerr. The payment rate–107.5 percent–is the amount required to bring the average price up to the support price.

To compensate growers for wool on live lambs marketed in 1984, ASCS authorized a $3.42 per hundredweight payment rate on unshorn lambs sold or slaughtered. Kerr said the payment is based on the shorn wool payment rate, the average weight of wool per hundredweight of lambs, and the price of lamb's wool relative to the national average price for shorn wool.



Farm Bureau tour looks at

Fumigants: Can we live without them?

WASHINGTON, D.C. – Agricultural fumigants. Farmers depend on them in the battle against bugs. Fumigants are gaseous pesticides that can be sprayed in the soil before planting or on crops after harvesting. They are effective and enduring, killing insects and eggs for up to a year. Most domestically produced fruits and grains are treated with some protective process for safe storage and shipment. Fumigants are often the choice.

Food processors, particularly those who manufacture grain-based products, also use these chemicals to ensure that their facilities and equipment are free of insects.

While versatile and effective in the fight against insects, fumigants have been labeled the villain in another battle: the one over safety. The issues, however, are varied and complicated, ranging from exposure hazards for farmworkers and residue risks for consumers to the suitability of alternatives for farmers and food processors.

The alternatives question is particularly interesting to USDA economist John Baritelle of the Economic Research Service. Baritelle works out of the University of California, Riverside.

"Some researchers will tell you that there are no acceptable alternatives, particularly if we want to continue producing the volume and quality of crops we do now using fumigants," he says. "But others say there are plenty of substitutes. The real issues involve cost, management flexibility, and consumer acceptance, among other things."

One thing is sure. If there are no fumigants, there will have to be alternatives. A brief lesson on the role fumigants have in agriculture will help explain why.

The Fumigant Story

The primary use of fumigants is to control insect infestation in harvested grain and fruit crops, according to USDA scientist Richard Parry of the Agricultural Research Service. In addition, fumigants are sometimes applied directly to the soil before planting in hot, humid areas where soil pests are a problem.

Other uses of these chemicals are not uncommon, Parry adds. Methyl bromide, a good example because of its wide application as a fumigant, is also used to degrease wool, to extract oils from nuts and seeds, as a fungicide for fruit trees and vineyards, as a refrigerant, and sometimes, to kill rodents.

For harvested crops, Parry says, fumigation generally works like this: The commodities are placed in a sealed facility and the fumigant gas is piped in. It filters through the grain or produce and begins working immediately. It is effective for up to a year.

The procedure sounds simple enough, but simple it is not. The major reason is that fumigants are toxic and are classified as "restricted use chemicals" by EPA. Farmers must be certified as applicators by EPA to handle the chemicals, which carry strong warning labels regarding their specific uses, application procedures, and needed precautions.

Even so, there have been accidents. Although many involve farmers and hired farmworkers, exposure is not limited to the fields or storage facilities. Commodities change ownership many times before reaching a final destination. Mix-ups in labeling can cause safety hazards for handlers.

Quality Control

Nonetheless, fumigation is essential to maintaining the quality of commodities because insect infestation can be so devastating.

Many less develop countries, without access to these chemicals, lose up to one-third of their crops to rodents and insects, Parry says.

According to a report on grain fumigation recently issued by the U.S. General Accounting Office (GAO), even low levels of insect infestation can develop into damaging populations very quickly. One grain beetle, the khapra, can reduce a 40-pound sack of grain to 10 pounds in 3 months, says GAO accountant Ralph Lameraux, who co-authored the fumigant report. "Basically, all that's left are the beetles," he says.

Temperature, moisture, and grain dockage or dust are conditions that combine to encourage insect infestation, Lameraux continues, and some of these factors cannot easily be controlled as commodities travel through the marketing chain.

The GAO report examines the involvement of government agencies in all aspects of fumigant regulation. The conclusion: More research is needed.

The U.S. position in world markets depends on quality, Lameraux says. And, until new technologies can be adapted to the storage and marketing of crops, quality may depend on fumigants.

U.S. consumers also expect quality. Americans would simply not tolerate insect infestation in food, adds scientist Parry. Fumigation provides a dependable insurance against insects.

Residue Problems

What fumigants can leave behind, however, are residues. Residues are not actually supposted to be in food, according to USDA's Baritelle, who explains that the fumigant should gradually dissipate as the product is stored and exposed to air. But all fumigants don't completely disappear all the time, he says.

"The reasons could be improper application, storage, transportation, temperature, or moisture levels, or a combination of these factors and plenty of others," Baritelle says, noting that it would be very difficult, maybe impossible, to pinpoint an exact cause in many cases.

When residues are found in foods, people get worried. Large amounts of residues can be toxic because fumigants themselves are toxic.

Determining exactly what levels of residues constitute a threat to public health is the responsibility of EPA, while the Food and Drug Administration (FDA) is responsible for enforcing the standards.

Last year, residues in some cereals and cake mixes caused FDA to ban the use of the fumigant ethelyne dibromide, commonly known as EDB. This was not the first time a fumigant had been banned. The fumigant DBCP was banned in 1977 for much the same reason.

What replaced these fumigants? Other fumigants, according to most researchers. Farmers can currently choose from 13, although most have limited applications for certain crops and certain pests.

Like other pesticides, herbicides, and fungicides, fumigants must be registered with EPA, specifically with the Office of Pesticide Programs that compiles the results of safety and toxicity tests and recommends a fumigant's registration. Since last year's ban of EDB, officials at the EPA decided to reexamine all registered fumigants.

The process is long and involves examining the results of hundreds of tests on each chemical for toxicity, exposure, residue problems, and efficacy, along with lists of possible alternatives, and economic impact statements that outline the financial consequences of banning the chemical.

No one knows if more fumigants will be banned as a result of the examinations. "Researchers will weigh the benefits and risks associated with each one before making any recommendation," says EPA economist Roger Holtorf.

Life without Fumigants

But, according to USDA's Baritelle, even the notion of a ban has compelled some researchers to ask an important question: Could agriculture and food processing survive without fumigants?

Baritelle says, "In the long run, yes," but he qualifies his answer. "Agriculture would change considerably because alternatives would have to be used. Of the alternatives, some have not yet been commercially tested and, right now, most cost considerably more than fumigation. What we're really talking about is a change in the marketing structure of how some crops are grown and how others are preserved."

(Turn to Page A39)

National Dairy Board

(Continued from Page A35)

the advertising business say you need 12-18 months before you can attempt to measure results.

"However, the Congressional mandate calls for an evaluation of the program and report to Congress by July 1."

Results from the split-cable scanning and time-series econometric analyses, as well as another measurement of consumer recall, will be available prior to the August referendum.

The National Dairy Promotion and Research Board was established by Act of Congress to develop a coordinated program of promotion designed to strengthen the dairy industry's position in the marketplace and to maintain and expand domestic and foreign markets and uses for fluid milk and dairy products.

This national program of promotion, research and nutrition education is financed by a mandatory 15-cent per hundredweight assessment on all milk produced and marketed in the contiguous 48 states. The 36-member policy-making Board is composed of dairy producers.

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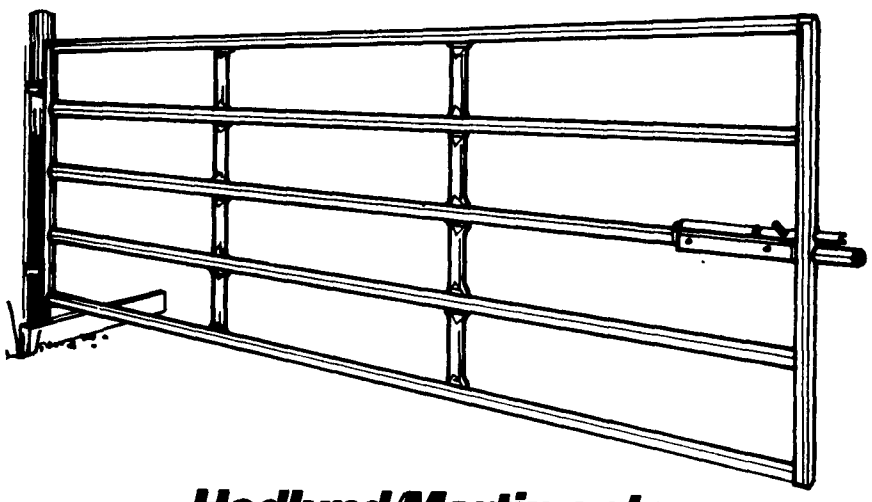

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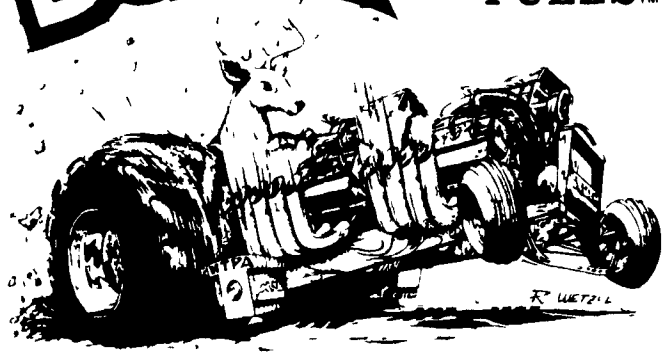

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See You At The Buck!

Extension computer network

(Continued from Page A1)

each county electronically the same morning the information was available.

To send and receive on the computer network, every county extension office has been equipped with one or more Macintosh computers, a phone modem, and a printer. Messages that come through the electronic mail can either be deleted on the screen or printed as a hard copy for future reference.

With the start-up of PEN last month, the state's Extension agents now have better access to national agricultural information as well. Area marketing agent Larry Yager says that he can now tap into DIALCOM, a national computer network of USDA and all the land-grant institutions.

Broiler and slaughter reports, livestock and vegetable situation papers and agricultural supply and demand estimates are instantly available. Now when he's discussing trends with farmers and agribusinessmen, says Yager, he is not working with figures that are three or four days or a week old.

Public access

But the electronic mail function, which is restricted to Extension personnel, is only one component of the Pennsylvania Extension Network, says Graham Bell. The public will be able to access another component of PEN — the information delivery system.

By October a Pennsylvania resident, by using his or her personal computer and a phone modem, will be able to tap into PEN's on-line information system for the cost of a local telephone call to the county extension office.

"It's like raiding the files of the local county extension office," offers Bell. Over the coming months, he says, PEN project members will be establishing a "massive textual data base" that will offer users information and assistance on everything from poultry diseases or home canning guidelines, to local weather reports and pest alerts.

Another future component of PEN, says Bell, may be local county bulletin boards. Notices about local agricultural information and meetings, for instance, will be listed by the county extension office on the on-line bulletin board. Even clientele will be able to call in and "post" a message on the board.

Bell readily admits that owners of home computers in Pennsylvania are limited — about seven percent of the population — but that does not take away from the unlimited usefulness of PEN to all the state's citizens.

"A related part of this is that we have installed at least two microcomputers in each county that can serve as terminals (for electronic mail, for instance) or as stand-alone units," explains Bell.

A lot of effort is being put into development of educational software for each subject matter area — agriculture, home economics, 4-H, and community-resource development. "Agents will have a bigger and better tool kit of programs to work with," he adds.

Lancaster County Agent Glenn Shirk likes to use the "tool" analogy too. PEN and the Macintosh computers are, he says, "a tool that will be utilized, but will not dominate the county offices and county programs."

The computer network will be utilized to serve the traditional informal educational goals of Cooperative Extension, allowing information and assistance to reach the public more quickly and more accurately.

Maryland Sheep

(Continued from Page A34)

Bridge, Md., colored champion ram.

•Gustav Olson, Vt., colored champion ewe, champion colored fleece, reserve supreme champion.

•John Woodward, Md., supreme champion overall.

•Pat Campion, Lincoln, Vt., white fleece champion.

•Wooly Hill Farm, reserve white fleece champion.

•Peach Orchard Farm, Keymar, Md., reserve colored fleece champion.

The feeder lamb show and sale saw Maryland resident Virginia Cook Taylor take champion honors, with Troy Ness of Dallastown, Pa. coming in at reserve. Buchanan Farm of Va., and Elizabeth May of Md. had the top two pens of three.

As in past years, the popular sheep shearing contest featured international competition. Billy Buckhorn of England took top honors, with the novice and gray-haired divisions won by Greg Hammond and Jack Price, respectively.

Festival goers always have the opportunity to sample many delicious lamb dishes including those prepared for the grand lamb cook-off competition. Helen Nimmo's Oriental Express dish took top cook-off honors with Pam Christofel's Lamb Summer Salad placing second.

Dairy goat meetings

LANCASTER — Dairy goat owners and enthusiasts are invited to attend the next meeting of the Dutch Country Dairy Goat Club at 7:30 p.m. on Thursday, May 16th, at the Lancaster Farm and Home Center.

The topic of discussion will be "Dairy Goat Milk - Its Properties and Nutrient Content." Discussion will be led by Jacob Fisher, Windy Hill Goat Dairy, and Extension Dairy Agent, Glenn Shirk.

Future meeting dates are: July 20 (1-4 p.m.), Field Day at Windy Hill Goat Dairy; September 19 and November 21 - both at 7:30 p.m. at the Lnacaster Farm and Home Center.

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Fumigants

(Continued from Page A37)

There is no quick fix. "None of the alternatives would be easy to implement immediately on a large scale," Baritelle says.

"Even methods that look good in pilot tests have shown some problems when implemented on a commercial basis. This is not to say that these alternatives will never be adopted, but there is definitely a need for additional research."

"USDA scientist Parry agrees, adding that, "It's hard to talk in the broadest sense. You have to narrow it down to a specific commodity and a specific pest and a specific market."

The following are alternatives that both researchers consider most promising:

• **Inert atmospheres or oxygenless air** With this method, a lethal atmosphere is created by burning natural gas or propane, either of which will remove the oxygen from the air. Machinery and equipment costs are considerable, Baritelle says, and the procedure requires that the storage facility be reasonably air tight.

• **Carbon dioxide treatment.** This is another gas treatment that is used extensively in Australia. "It's very effective," Baritelle says, "and quickly suffocates the insects and eggs." Like inert air, the process requires a sealed facility, although the cost involved are higher than those for inert air.

• ***Irradication.*** This is a food preservation process that involves the use of controlled doses of ionizing radiation in the form of x-rays, gamma rays, or high energy electrons to kill insects and reduce the number of microorganisms that cause spoilage. The process does not make food radioactive. It is currently used in at least 18 countries and has been approved in the United States for use on wheat, wheat flour, potatoes, and spices.

• **Cold storage** stops or slows down the feeding and reproductive process of insects, although it usually does not kill them. One problem is that it is very expensive because of the cost of energy and the need for a well-insulated facility. It is currently used commercially on apples, walnuts, and dates, and much experimentation has been done with other fruits. Under lab conditions, it works, but some large-scale tests have presented major problems.

• **Heat treatment.** Not much work has been done on this process yet, Baritelle says, but the theory is that treatment at a high temperature for a short period of time could effectively eradicate insect infestation. The major problem is that heat treatments could change the chemical composition of food, so it is not a plausible alternative for all commodities. Walnuts, for instance, turn rancid if heated.

Will fumigants ultimately be replaced by one, some, or all of these alternatives?

That depends on costs, how easy or difficult the alternatives are for farmers and food processors to use, and how consumers will react to alternatives like irradiation, Baritelle says.

One other factor will also play a part. "Do we really need the alternatives?" Parry asks. While some scientists would respond with an emphatic "yes," Parry seems to be reserving judgment. "There is a wide variety of opinion on the actual hazards posed by fumigants. Estimating the toxicological risk to humans is a relatively new science without a firm data base for predicting safety." Using the results of tests on laboratory animals, researchers estimate the danger to humans. But still, there is no real consensus on how much of a residue is too much, Parry adds.

And there are the concerns of farmers themselves. Many are skeptical that the alternatives will prove to be reliable and economical substitutes, Baritelle says. "After all, fumigants are a known commodity, relatively inexpensive, and readily available. Almost all the alternatives are still in the testing stages."

However, Baritelle adds, researchers must be ready. "At one time, electricity was in the testing stage, too."

Maryland Poultry Center dedication set for May 18

COLLEGE PARK, MD – The University of Maryland will dedicate a new Poultry Research and Education Facility at the university's Eastern Shore campus (UMES) on Saturday, May 18, at 4 p.m.

The facility, designed to serve one of the state's major agricultural industries, will house laboratories, offices, and a contemporary broiler house.

Research at the facility will concentrate on developing applied technology for Maryland's broiler industry, and on long range basic studies of broiler health and reproduction, according to Dr. W. Lamar Harris, director of the university's Agricultural Experiment Station.

Educational activities at the facility will provide students with "hands on" practical experiences to complement classroom instruction. These activities will be conducted as part of the Poultry Technology and Management Program at UMES, according to Dr. William P. Hytche, chancellor at UMES.

The dedication ceremony will include remarks by Drs. Hytche and Harris, and by Dr. John S. Toll, UM president, and Dr. Frank L. Bentz, Jr., UM vice president of agricultural affairs.

A tour of the facility is included in the dedication ceremony.

Lebanon signup for acreage plan

LEBANON – Lebanon County farmers have enrolled 4,665 acres in the 1985 acreage reduction program.

Frank Reist, Jr., Chairperson, said Lebanon producers enrolled 68 farms in the programs and agreed to take out of production, at least 30 percent of their wheat and 10 percent of their feed grain base acres.

"This means that as much as 503.8 acres of cropland in the Lebanon County could be idled this year, depending on how many acres of program crops are planted by participants," Mr. Reist said.

Crop base acres enrolled in the 1985 farm programs include 4,380.4 acres of feed grains, and 284.6 acres of wheat.

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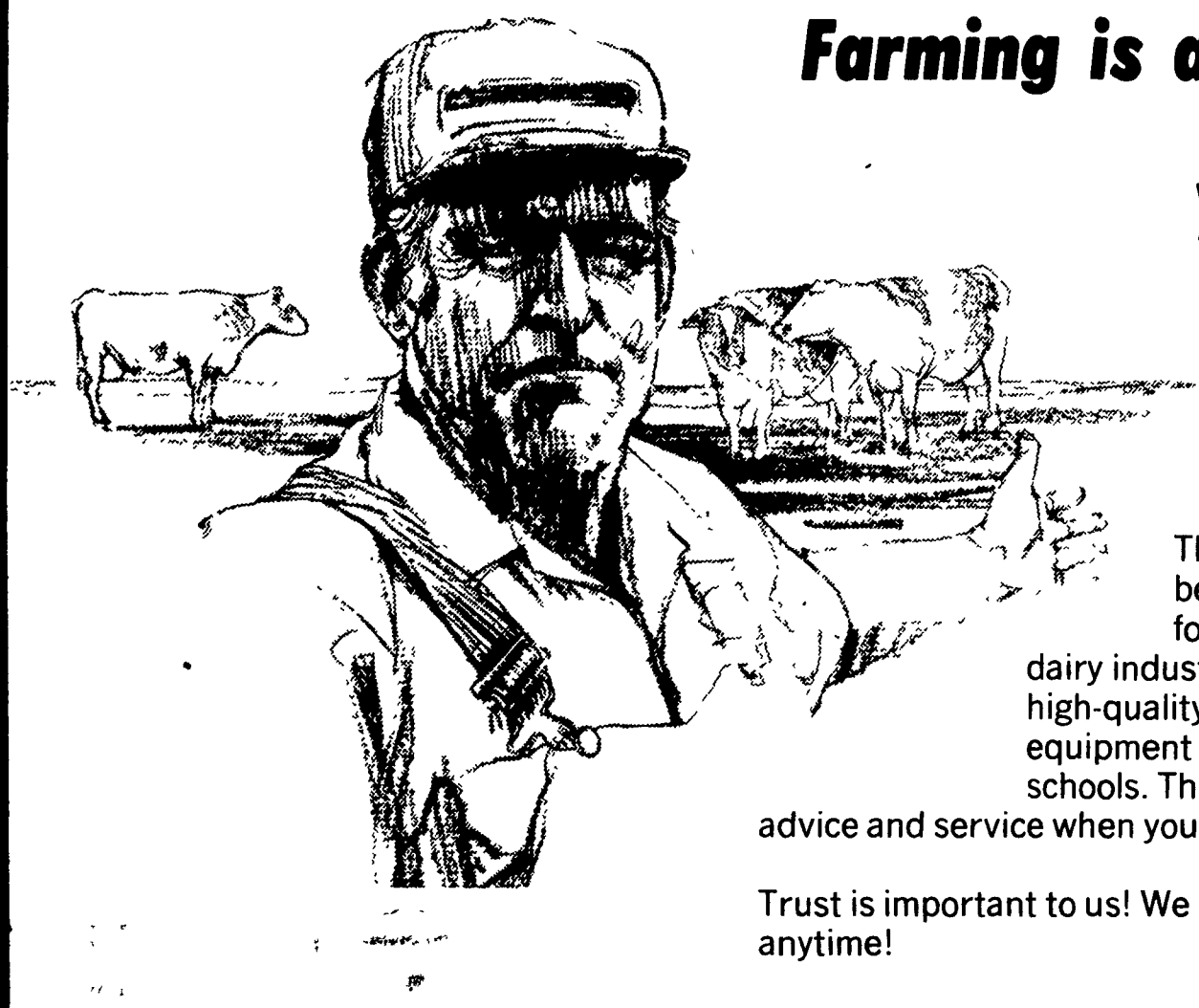

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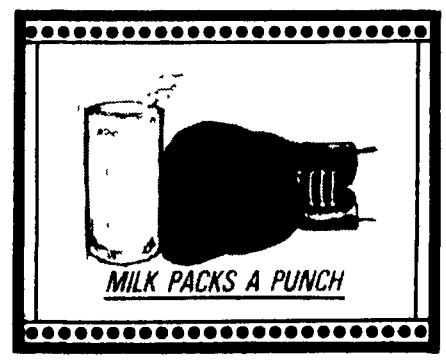

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Milk's got more!

Farmers unite to form electric co-ops, bring light to rural America

BY SALLY BAIR
Staff Correspondent

LITTLESTOWN — Can you imagine life without electricity? Certainly it's difficult to remember how things were without this silent servant, but there are many people in rural areas today who remember well those days when chores were finished by the light of lanterns and wind powered the pumps.

In rural America, the lighting of the countryside followed the lighting of the cities by nearly a half century. Electricity was not something readily available to farmers because power companies would extend lines off the main roads only if farmers paid the cost of installing the lines - a prohibitive cost for farmers in the 20's and 30's.

Just 50 years ago today President Franklin Delano Roosevelt signed an executive order creating the Rural Electrification Administration. His action was the beginning of a remarkable chance which overtook America and brought rural families that miracle of the twentieth century, electricity. In 1935 just 10 percent of the people in rural American and about 25 percent of rural Pennsylvanians enjoyed electricity.

"The day the lights came on" in rural America marked the beginning of a new life for farm families.

The creation of the REA made money available at low interest rates to extend existing lines to rural areas. It quickly became apparent that the power companies were not interested in what they considered to be a high cost, low return venture. Farmers, eager to get electricity, followed a familiar avenue - they organized member-owned cooperatives and provided their own power.

The first rural electric cooperative in Pennsylvania, Northwestern Rural Electric Cooperative, with headquarters in Cambridge Springs, was organized in 1936. Eventually 13 would be organized to provide electric service to the rural areas of Pennsylvania.

Howard S. Schwartz, Littlestown, is 98 years old and was an incorporating director of Adams Electric Cooperative at Gettysburg. Although his family had a generator on their farm since about 1920, they were eager to get electricity, something enjoyed by the orphanage just one and one half miles down the road. But the power companies refused to extend the line that distance without his paying $800.

About forming the cooperative Schwartz says, "It was the only way to get electricity at the time, and there has been no better way since."

People in that area of Adams County generally understood electricity and its uses because the nearby towns and people along main roads already enjoyed its benefits.

However, there were a few instances of amazement and misunderstanding among new members of the fledgling cooperative. Schwartz recalls, "We always talked about 'turning on the juice,' and one man told me he didn't have enough light bulbs for all the sockets so he put corn cobs in them to keep the juice from running out!"

The day the 'juice' was actually turned on was an historic one, and Schwartz says that cooperative members were invited to the substation to see them throw the switch which literally lit up the countryside.

When asked to comment on how electricity changed farming, Schwartz commented, "Immensely."

In order to get the cooperative going, dedicated people had to get their friends and neighbors to sign on as members. There was a $5 membership fee.

Schwartz was in on the early organizational meetings because of his position as a Farm Bureau director. Many of those first meetings lasted into the early morning as farmers discussed how to best carry out their task. Representatives of the Rural Electrification Administration came to community meetings to help answer questions.

Schwartz recalls that the most frequent question he was asked was whether members were responsible for actually running the co-op. He said most people signed on the first visit. It was a busy time for Schwartz because he often had to settle questions which arose with other workers who were signing up members. As a community leader Schwartz was often asked for his opinions.

Wade H. Brown, Littlestown, an organizer for the cooperative in Germany, Union and parts of Mount Joy Townships recalls that "some people were eager for it." Many people, like Brown, could see their neighbors benefitting from the use of electricity they were denied because they simply could not afford the exorbitant price of paying for the line construction.

Brown's cost would have been $375, although generally the cost was from $600 to $800 to extend lines. His neighbors along the main road had had electricity since 1926.

Howard S. Schwartz, now 98, served as a director of Adams Electric Cooperative for 32 years, retiring from the Board at age 85. His daughter, Eva Jane, cares for him in his home near Littlestown. Howard was an incorporating director of the cooperative and recalls the years when it was first organized by farmers and neighbors to provide electric service to rural areas of Adams County.

He recalls that the local power company changed its tune once it realized that the cooperative would become a reality. Suddenly it was able to extend its lines, and hook up customers before the cooperative could get its lines built.

Schwartz recalls a similar attitude with the power company nearest his farm and says that the day after his name was in the

(Turn to Page B4)

Homestead Notes

Wade H. Brown helped to sign up members for Adams Electric Cooperative in the southern part of Adams County. Here he reads his meter, one of the jobs which must be done monthly by members of the cooperative.

Rural Electric Administration celebrates 50th anniversary

BY SALLY BAIR
Staff Correspondent

HARRISBURG — On May 11, over 500,000 rural Pennsylvanians will join in celebrating the 50th anniversary of the Rural Electrification Administration.

There are 13 rural electric cooperatives in Pennsylvania who brought electricity to rural people less than 50 years ago with the help of REA. One of the few enduring New Deal agencies, REA was created in 1935 by President Franklin D. Roosevelt to bring electric service to rural areas not served by private power companies.

Most rural electrification in the United States is the product of locally owned, nonprofit cooperatives who got started by borrowing funds from the federal agency. Across the United States there are about 1,000 rural electric systems providing electric service to over 25 million people in 46 states. Today 99 percent of the rural homes in the nation have electric service.

Fifty years ago, as the nation's struggled to survive the Depression, Roosevelt created the REA by executive order to make loans available for electrifying the countryside.

At that time 10 percent of rural Americans and barely one-quarter of rural Pennsylvanians enjoyed central-station electric service. The nation's private power companies were unable or unwilling to serve sparsely populated rural areas because it was not sufficiently profitable. As a result, most rural people were, in effect, still living in the 19th century when Roosevelt took office in 1933.

When the private power companies proved reluctant to work with REA, farmers formed cooperatives to bring electricity to their homes. With loans and technical help from the new agency, the co-ops built the lines over mountains and across prairies to reach everyone who wanted service.

Electric power revolutionized life and work on the farm and enabled agriculture to become productive and efficient.

Northwestern Rural Electric Cooperative at Cambridge Springs was the first Pennsylvania cooperative organized in 1936. Thirteen others followed in the next five years, and all will be celebrating their anniversaries.

REA is still the cornerstone of the rural electric program. It serves as a "banker" for rural electric systems, administering loan programs that help co-ops provide their consumers with reliable electric service at the lowest possible cost. The agency, now part of the U.S. Department of Agriculture, also provides engineering, managerial and other guidance for the co-ops.

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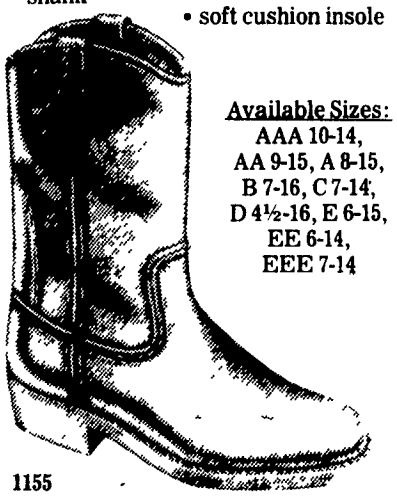

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B 7-16, C 7-14,
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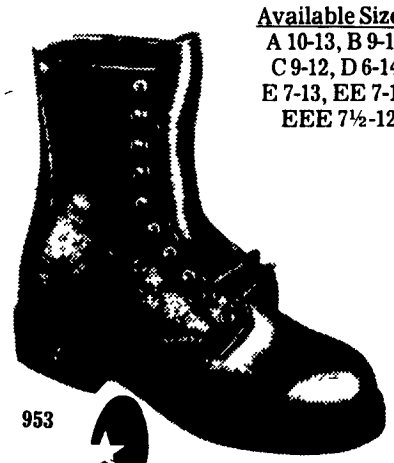

953

Available Sizes:
A 10-13, B 9-14,
C 9-12, D 6-14,
E 7-13, EE 7-13,
EEE 7½-12

SuperSole

SuperSole Red Wings

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- full-grain, water-repellent leather
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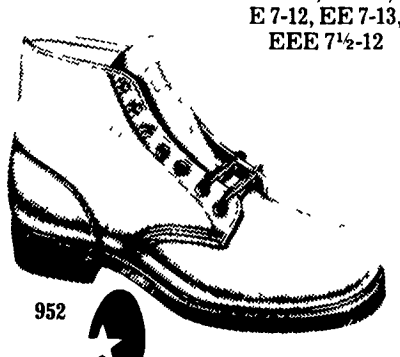

952

Available Sizes:
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E 7-12, EE 7-13,
EEE 7½-12

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Rural electric

(Continued from Page B2)

paper as an incorporator of Adams Electric, the head of the company came and offered to extend the line to his home at no cost. Schwartz recalls with a laugh, "I said, 'wouldn't that be a hell of a way to let down my neighbors?' "

Brown recalls that he sometimes had to go back four or five times to persuade people to sign the membership application. Then, once enough signatures were secured, he had to return to get rights of ways signed. Brown said that the cooperative took the shortest route across fields to save money.

He said, "Some people didn't like the idea of the lines running across the land, and thought they should keep to the roads, but they cut the mileage in half that way." Schwartz added that building lines as the crow flies saved corners and guide posts.

Brown pointed out that not everyone along the proposed route signed up, so some lines had to be built later. He said most people who didn't sign up wished they had.

It took many hours and many visits to talk to prospective cooperative members, and Brown says, "I wonder how I had the time." Rainy days were good ones to visit, he said, and pointed out that he did it because "we were working for the community and for the farmers. Most people would sign up to help their neighbors."

There was to be a minimum monthly charge of $3 and Schwartz's daughter, Eva Jane, recalls, "Most people thought they weren't going to use much." Of course that quickly changed as they saw the many uses of electricity.

Brown remembers that they were threshing on his dairy farm when the electricity was first turned on. His wife, Elizabeth, was visiting her sister in the hospital, and requested that all the lights be turned on so that she could see them when she turned in from the main road.

Light bulbs then were mostly 15 and 20 watt bulbs, but they were considered "big," according to Eva Jane. The light provided from a single, naked bulb was tremendous compared to the lanterns being used.

There is an anecdote about a storekeeper of a general store boasting of his new electric light for a month before discovering it was only the night light over the cash register. When a co-op employee showed him how to turn on the rest of the lights, he was speechless with amazement.

Elsewhere in the country the turning on of lights brought similar expressions of wonder and awe. There is a story told by a Kentucky farmer about the day the lights came on in his farm home. There were just bare bulbs in each room and when his father pulled the chain to turn on the light in the kitchen he said, "Carl, come here and hang onto this so I can turn on the light in the sitting room." The farmer recalls telling his father to stop holding the chain because it would stay on. He said, "He finally let go, and then looked kind of foolish."

Brown said that the change in the daily life of the farmer came gradually. "A lot couldn't afford to jump into it all at once." Furthermore, many people had already owned generators, and while electricity made the job of getting power a lot easier, it didn't change their lives completely.

Brown said that he continued to cool the milk in the spring long after the electric lines were in to save money. An electric milker was purchased primarily because they didn't have a hired man.

One of the things made possible by electricity was indoor plumbing since water could be pumped. Washing machines, electric water heaters and other appliances came along slowly.

Eva Jane recalls that the cooperative always gave electric appliances as door prizes at its meetings, and they often sold appliances to make it convenient for people to acquire them. Local stores did not carry a big selection of electric appliances.

There can be no question that the rural homemaker benefited from electricity as much as or more than her farmer husband. No longer did she need to do her canning over the wood stove in the heat of the summer. No longer did she scorch shirts and iron with "sadirons," heated on the wood stove. And she didn't need to use an icebox anymore. All of the appliances for the home made her life much easier.

Eva Jane pointed out that the cooperative used home economists to help promote the use of electricity and to help people understand it.

In the early days of rural electrification there were many outages. Schwartz recalls, "Trees were the main problem." People accepted these many interruptions of service as an inconvenience to be tolerated. Eva Jane says, "People were more patient then. We kept a coal oil lamp on each floor so it was handy if the lights went out. We lived a much quieter life then."

Schwartz maintained an active role in the cooperative, serving as a director until he was 85 years old. 32 years from his first year as an incorporator. He said the biggest challenge facing the cooperatives today is the education of its members, few of whom remember the days when the countryside was dark.

Today Pennsylvania's 13 rural electric cooperatives serve 600,000 members. Adams Electric will celebrate its 50th anniversary in 1991.

Like most people looking back on the struggle to bring electricity to the countryside, Brown says, "I'd hate to start over."

Indeed, most rural people would not like to go back to the days of no electricity. Though they lived without it for many more years than their city cousins, it was electricity that increased agriculture's productivity and attracted industry to rural areas.

Rural electric cooperatives, made possible through that order signed by President Roosevelt 50 years ago, truly have changed the face of the countryside. The hard work of the men and women who brought electricity to themselves and their neighbors in cooperation with the government is a remarkable success story. The day the lights went on was a day which changed rural lives forever.

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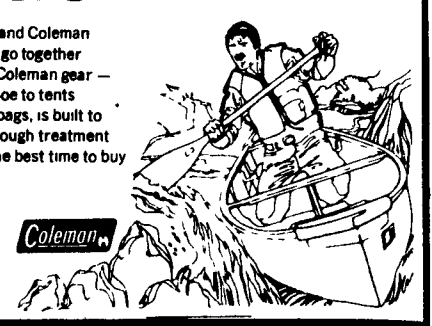

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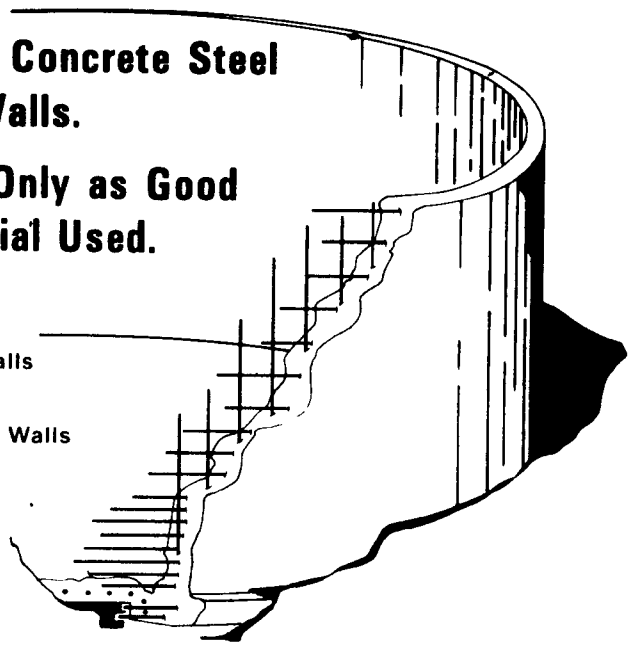

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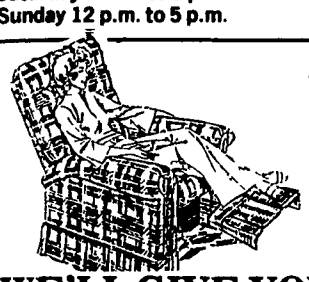

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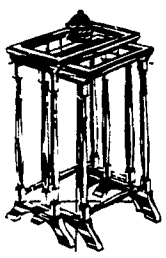

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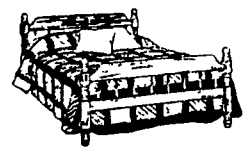

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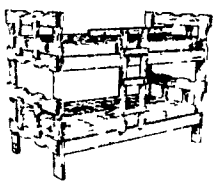

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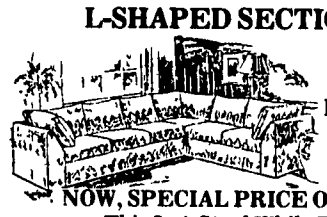

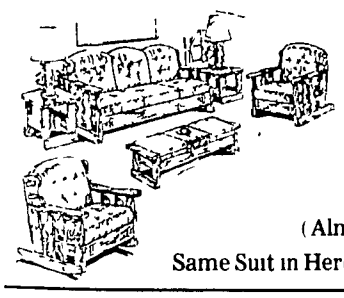

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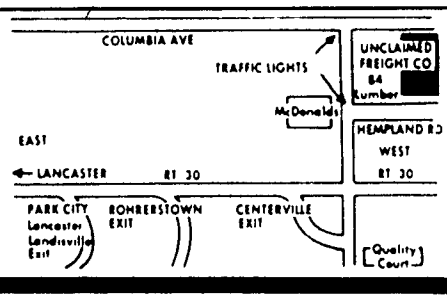

On being a farm wife -And other hazards

Joyce Bupp

What a blessed rain that was last week! And timely, too.. With alfalfa seedlings gasping for breath, and corn just waiting in the desert-dry upper soil for the starting gun of moisture, it was truly a perfect piece of weather.

Weathermen would explain that it had something to do with low pressure systems ahead of a cold front, and moisture gathered by the system and brought in from the ocean.

In this neighborhood we know better.

That fantastic rain was generated by a bit of hocus-pocus from Aunt Mabel.

When we stopped by Aunt Mabel's recently while moving planting equipment, she was headed down around the pond to retrieve the remnants of a watersnake spotted while mowing grass.

Purpose wasn't just to dispose of the deceased reptile's remains, but to hang it in a tree.

Hang it in a tree?

Yep. Seems that hanging a dead snake in a tree will bring on rain.

Why? No one seemed to know why. But it seems there's this old-time claim that it would work.

With soil conditions drier than a Death Valley rock, and dust hanging like thick fog wherever any farmer tried to work a piece of ground, who were we to argue.

All we wanted - all we desperately needed - was water. From wherever.

Needless to say, as the welcome downpour was pounding on the tin roof a couple of days later, a phone call came from Uncle Clyde, just checking to see if we were happy with the weather.

I told him to thank Aunt Mabel. And he backed up her results with a further story.

Seems the couple was visiting on Eastern Shore some time ago, when similar drought conditions were withering tempers and farm crops.

A local farmer with whom they were staying lamented the parched weather and just how badly the area needed rain.

Driving through a wooded section a bit later, the couple spotted on the road the carcass of a snake that had been run over by an automobile. Aunt Mabel retrieved it and hung it in a tree nearby. Returning to their host, they assured the farmer he could count on rain in just a little while.

By Monday evening, it started to rain. And it rained again on Tuesday. On Wednesday. And yet again on Thursday.

By Friday, the farmer host was warning his guest that she'd better truck on out to that tree and remove the snake so it would dry off a bit.

No one - but no one - can enlighten us on where this snake tale superstition began.

Anyone out there have any idea?

Whatever. If it works, I say hang onto that snake Aunt Mabel. And hang it up about once a week for the rest of the summer.

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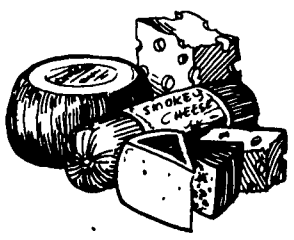
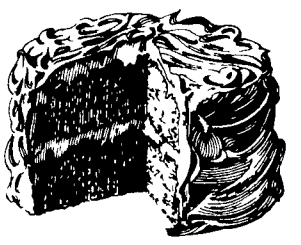


Home On The Range



Travel the world with international foods

While most budgets won't stretch far enough to accommodate a trip around the world, it is possible to enjoy a wide variety of international foods right at home.

Armed with the recipes below and the proper ingredients, you can take your family to Mexico on Monday evening with an enchilada supper, to Germany on Tuesday, with onion rye bread, and to China on Wednesday with Chinese vegetable salad.

The list of possible places to visit is nearly endless, so spend some time in the kitchen this spring preparing foods with an international flair.

ONION RYE BREAD FROM GERMANY

3 cups all-purpose flour
2½ cups rye flour
¼ cup brown sugar
2 packages dry yeast
2 teaspoons salt
1 envelope onion soup mix
1¼ cups water
1 cup milk
2 tablespoons butter
½ teaspoon caraway seeds

Sift flours together. Combine 1½ cups flour mixture with brown sugar, yeast, and salt. Combine onion soup mix, water, milk, butter and caraway seeds in saucepan. Stir and heat until warm — about 125°F. Gradually add liquid to flour and sugar mixture. Beating well, add ¾ cup flour and continue beating 2 minutes. Stir in enough additional flour to make a soft dough. Cover and let rise in warm place until doubled, about 50 minutes. Stir dough, put in well-greased two-quart casserole. Brush with melted butter, let rise until doubled, about 30 minutes. Bake at 350°F. for 50 to 60 minutes. Remove from casserole and brush crust with melted butter and cool on wire rack.

Kitty Wagner
Elizabethtown

SOUTH OF THE BORDER ENCHILADAS

1½ pounds ground beef
1 1¼-ounce package taco seasoning mix
1 12-ounce can tomato paste
1 cup water
½ cup chopped onion
1 teaspoon salt
1 8-ounce jar process cheese spread
1 4-ounce can chopped green chilies
12 four tortillas

Brown ground beef; drain well. Stir in seasoning mix, tomato paste, water, onion and salt. Simmer for 15 to 20 minutes, stirring occasionally until liquid is reduced. Spoon 2 to 3 tablespoons meat mixture on each tortilla. Roll-up tightly. Place in a 9x13-inch baking dish. Spread cheese over top of Enchiladas. Sprinkle with green chilies. Top with remaining meat mixture. Bake at 350°F. for 25 to 30 minutes. Remove with spatula. Serve immediately.

QUESADILLAS

1 10-ounce can whole green chilies
6 ounces Cheddar cheese or Monterey Jack cheese, cut into 4½x½-inch pieces
6 flour tortillas, 8 inch
1 8-ounce jar taco sauce

Slit chilies, remove seeds. Stuff whole chili with a piece of cheese. Place at one end of tortilla. Roll-up; secure with toothpick. Fry in a shallow pan in hot oil (375°F.) until crisp, turning occasionally. Drain on paper towels. Serve immediately with taco sauce.

CHEDDAR JALAPENO APPETIZERS

½ cup butter
2 cups shredded Cheddar cheese, at room temperature
½ teaspoon dry mustard
½ teaspoon seasoned salt
1 tablespoon finely chopped canned green chilies, well drained
1 tablespoon finely chopped pimiento, well drained
½ teaspoon Worcestershire sauce
1¼ cups all-purpose flour

Beat together butter and cheese until well blended. Stir in mustard, seasoned salt, green chilies, pimiento and Worcestershire sauce. Add flour and mix to a stiff dough. Shape level tablespoonfuls of dough to form balls. Place on cookie sheets. With tines of a fork dipped in flour, press down lightly to make crisscrosses on each. Bake in preheated 350°F. oven about 20 minutes or until very lightly browned. Serve warm. Makes 2½ dozen.

CITRUS AVOCADO SALAD

1 3-ounce package lime flavor gelatin
1 envelope unflavored gelatin
1 cup boiling water
½ cup cold water
½ teaspon salt
1½ cups sour cream
2 cups diced fresh grapefruit sections
¾ cup mashed avocado (1 large)
¼ cup finely chopped green pepper
Tomato wedges

Combine gelatins. Pour boiling water over gelatins; stir until dissolved. Add cold water and salt. Chill until partially set. Whip gelatin until light and fluffy; beat in sour cream. Fold in grapefruit, avocado and green pepper. Turn into a 7-cup mold; chill until firm. Unmold onto serving plate and garnish with tomato wedges. Makes 8 servings.

Oriental style marinade is ideal for seasoning and tenderizing lesser cuts of beef for barbecuing. The entree tastes great when served with Chinese Vegetable Salad.

SAUSAGE STUFFED PEPPERS

Sauce:
3 8-ounce cans tomato sauce
1½ teaspoons chili powder
1 teaspoon sugar
½ teaspoon each cumin and salt
1/8 teaspoon pepper
Peppers:
4 large green bell OR sweet red peppers
1 pound bulk pork sausage
½ cup chopped onion
1 cup canned garbanzo OR red kidney beans, well drained
1½ cups Cheddar cheese cubes (¼ inch)
¾ cup finely ground almonds

For sauce, combine tomato sauce, chili powder, sugar, cumin, salt and pepper. Simmer 5 minutes; set aside. For peppers; cut each in half; remove caps, seeds and membrane. Parboil in boiling salted water 5 minutes; drain well. Brown sausage and onion; pour off excess fat. Stir in beans, cheese and almonds and ½ cup prepared sauce. Fill peppers with sausage mixture. Pour remaining sauce into bottom of a 13x9-inch baking pan. Place stuffed peppers in pan. Bake in preheated 350°F. oven 25 to 30 minutes or until heated through. Makes 8 servings.

NORWEGIAN PANCAKES

4 eggs
1 cup flour
1 cup milk
Pinch salt
1 tablespoon sugar
1 tablespoon butter

Beat eggs and sugar together, add all other ingredients. Let the batter stand for 1 hour. Melt butter in a frying pan, pour in batter with a spoon and cook very thin pancakes. Serve with sugar and strawberry jam.

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. You can send your recipes to Sue Keene at Lancaster Farming, P O Box 366, Lititz, PA 17543.

May	
18	Pastry
25	Memorial Day Picnic Foods
June	
1	Cheese Dishes

Featured Recipe

This week's featured recipe comes from Nancy Ambler, Kirkwood. Nancy and her three children are in the process of building a new log cabin. Nancy sold the family's dairy farm last October, following the sudden death of her husband, Bob.

Nancy enjoys cooking and says she has learned a lot since the first time she tried this Montgomery pie recipe she got from Bob's mother. The recipe came with a list of ingredients only–no directions. The recipe didn't mention a pie crust and Nancy ended up serving her first Montgomery pie with a spoon.

To learn more about Nancy and her new home, see the story featuring her on this week's family living page.

Montgomery Pie

Syrup:
1 cup molasses
1 cup sugar
1 pint water
1 tablespoon flour
1 egg
1 lemon OR 1 teaspoon vanilla

Mix all ingredients together and bring to a boil. When cool, pour into an unbaked pie crust.

Cake:
2 cups sugar
1 cup milk
½ cup butter
2½ cups flour
2 eggs
2 teaspoons baking powder

Mix together and pour on top of syrup. Bake at 375° F. until done.

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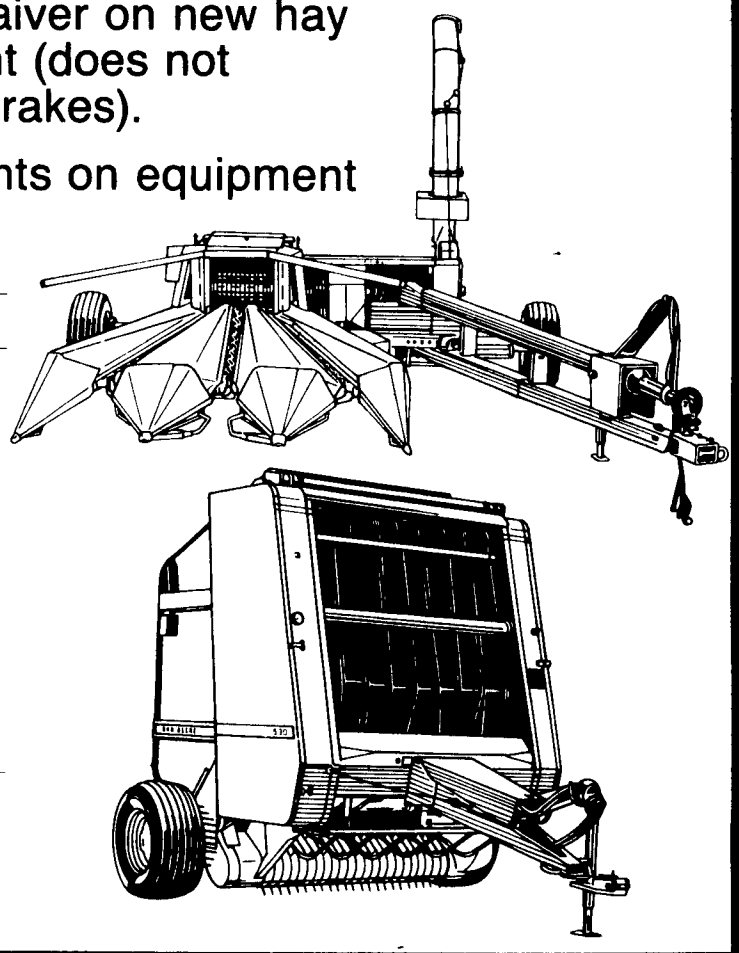

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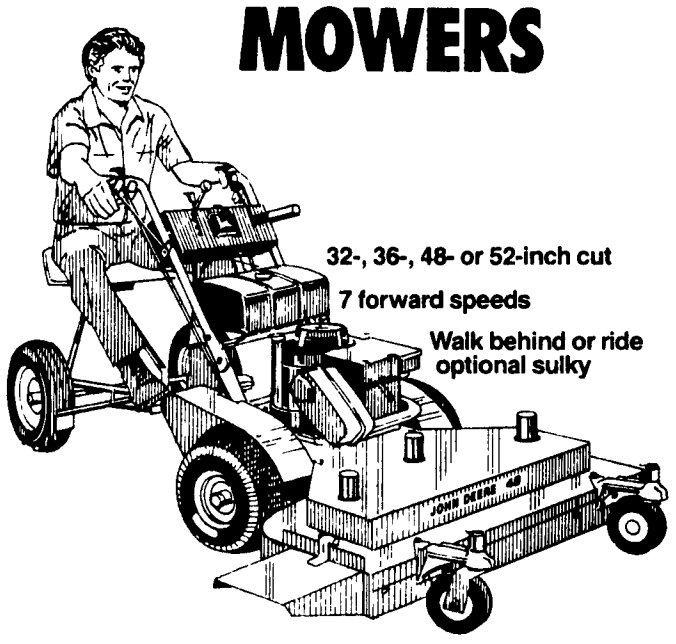

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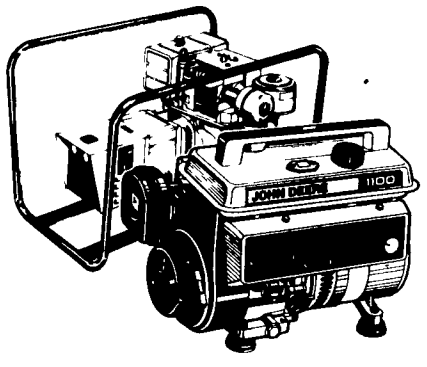

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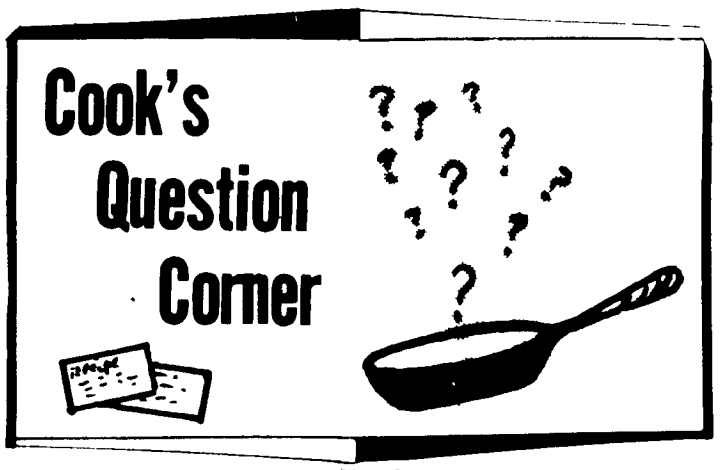

QUESTION - Nancy Kramer, Newmanstown, would like recipes for fruit desserts using only fruits for fruits with dressings or sauces

QUESTION - Grace Ikeler, Bloomsburg, still wants a recipe for Lebanon sweet bag bologna

QUESTION - Annie Kauffman, Honey Brook, would like a recipe to can pizza sauce that tastes like the kind made from Mrs. Wages Pizza Sauce mix bought in stores

QUESTION - Fran Westfall, Spring Grove, would like a recipe for a cheesecake that is very heavy with a pie dough crust and is not made from cream cheese Sometimes, the cake is served with pineapple on top, or with apples or raisins and cinnamon.

ANSWER - Nancy Farabaugh, Ebensburg, requested recipes for honey spreads and flavored butters. Thanks go to Ruth Ann Zeiset, Manheim, Mrs Aaron B. Shirk, Lebanon, and Nancy Kramer, Newmanstown, for sharing the following recipes.

Pear Butter

2 quarts pear pulp
2 pounds sugar
10 ounces canned crushed pineapple

Peel and core pears Add a little water and cook until soft. Puree in blender and measure pulp Also puree crushed pineapple. Mix all together with sugar in an uncovered baking dish Place in 350°F. oven for about 3 hours. Stir occasionally Pour into jars and seal or freeze Keeps in refrigerator several weeks. Makes 4 pints (For a double recipe, double baking time also)

Oven Apple Butter

4 quarts applesauce
2½ teaspoons salt
1 teaspoon cinnamon
1 ¾ cups vinegar
3 pounds or 6 cups sugar

Place ingredients in roastpan and mix well Put in 350°F oven for 1 hour Reduce heat to 300°F and bake for 3 more hours Do not stir while it's in the oven!

Peach Butter

2 cups dried peaches
2 cups water
1 cup sugar

Soak peaches in water several hours, then cook slowly until soft Mash and add sugar Simmer slowly, stirring frequently until thick Pour into sterilized jars to ½ inch of top, put on screw band and process 10 minutes in water bath canner Makes 4 8-ounce jars

Steamed Apple Dumplings

1 egg
3 teaspoons baking powder
2 tablespoons butter
2 cups flour
½ teaspoon salt
Enough milk to moisten

Mix like pie dough Beat the egg well and add to baking powder and salt Cut in butter and moisten with milk Roll, cut in squares and place apple with a little sugar and cinnamon on apple Wrap up and steam 1 hour Do not lift lid before you think they are done as this makes the dough tough.

OR, place dumplings in a well-floured coarse cloth dipped in hot water Tie cloth securely, leaving room for dumpling to swell and place dumpling in boiling salted water and boil 45 minutes. Serve hot with fruit sauce or pudding sauce

ANSWER - Colleen Shields, Jersey Shore, requested a recipe for cinnamon rolls that stay soft Thanks go to Nancy Kramer, Newmanstown, for the following recipe

Cinnamon Rolls

Dough:

1 cup milk
1½ teaspoons salt
1 teaspoon sugar
2 eggs
¼ cup margarine, melted
½ cup sugar
2 packages dry yeast
1 cup very warm water
6 cups all-purpose flour

To make dough heat milk, sugar and salt in small saucepan until sugar melts and bubbles appear around edge of pan. Cool to lukewarm. Dissolve yeast and the 1 teaspoon sugar in very warm water. (Comfortably warm when dropped on wrist.) Stir until blended and allow to stand 10 minutes or till bubbles form Beat egg into yeast mixture; stir in cooled milk mixture Beat in flour, little at a time, until dough becomes elastic Work in melted margarine Work in enough remaining flour so dough is kneadable. (Do not add too much flour that dough stops sticking to your hands; it should be sticky.)

Turn out dough onto floured surface and knead 5 minutes Place in buttered bowl, turning to bring buttered side up Cover with clean towel or plastic wrap Let rise in warm, draft-free place for 1 hour or until doubled Punch down dough, turn onto lightly floured surface Knead a few times Roll out dough to two 12x9-inch rectangles Fill with Cinnamon Mixture recipe which follows

Filling for Cinnamon Rolls:

1/3 cup margarine, melted
3/4 cup sugar
1½ teaspoons cinnamon

Mix sugar and cinnamon together Brush dough with half of melted margarine, sprinkle with half the sugar-cinnamon mixture Starting at short end, roll up jelly-roll style. Cut into 12 slices Place slices, not quite touching, in a well-greased 13x9x2-inch pan Repeat with remaining dough Cover, let rise until almost double Bake in hot oven, 400°F for 30 minutes Turn out onto cookie sheets Glaze and serve immediately

Glaze for Rolls:

3 tablespoons margarine
2 tablespoons hot coffee
2 cups 10x sugar
½ teaspoon maple flavoring

Melt margarine, stir in sugar, hot coffee and flavoring Stir until blended Spread on warm rolls, so glaze soaks in Serve warm or cool

International foods

(Continued from Page B6)

CHINESE VEGETABLE SALAD

1 6-ounce package frozen Chinese pea pods, thawed and drained
2 medium cucumbers, peeled, halved, seeded and sliced ¼-inch thick
1 medium carrot, cut into 2-inch matchsticks

Dressing

1 tablespoon vegetable oil
1 teaspoon mild chili powder
1 clove garlic, minced
¼ cup soy sauce
¼ cup white vinegar
3 tablespoons sesame oil
2 tablespoons brown sugar

Combine pea pods with cucumber and carrot in large serving bowl; refrigerate covered. For dressing, heat 2 tablespoons vegetable oil in small skillet. Add chili powder and cook, stirring until heated. Add remaining ingredients and mix well; let cool. About one hour before serving, pour dressing over vegetables and toss well. Cover bowl and refrigerate until serving time.

ORIENTAL STYLE BARBECUE MARINADE FOR BEEF

½ cup soy sauce
3 tablespoons white vinegar
2 tablespoons vegetable oil
4 garlic cloves, crushed
2 green onions, finely chopped
1 tablespoon hot mustard
1 teaspoon ginger
1/8 teaspoon freshly ground black pepper

For up to three pounds of beef, such as round, chuck or flank steak, or up to six pounds short ribs (cut into 3- to 6-inch lengths), combine marinade ingredients, mixing thoroughly. With a sharp knife, lightly score meat to be grilled every half inch or so. Place meat in small dish and pour marinade over, turning meat to coat. Cover and let stand at least 2 hours, turning frequently.

Prepare barbecue grill. Drain meat; discard marinade. Cook meat over hot coals until done to taste.

CHINESE CHICKEN PIE

4 cups cooked chicken, cut in pieces
4 cups chicken broth
½ cup butter
½ cup all-purpose flour
1 teaspoon soy sauce
5 egg yolks, lightly beaten
1 8-ounce can water chestnuts, drained, sliced
1 10-ounce can chopped clams, drained
1 pre-baked deep dish pie shell, and unbaked pastry for top crust

Preheat oven to 425°F. Melt butter in large skillet; stir in flour with wire whisk. Slowly add 4 cups hot broth, stirring well. Cook and stir until mixture is slightly thickened and smooth. Decrease heat; let simmer 10 minutes more, stirring occasionally. Remove from heat.

Combine egg yolks and soy sauce in small bowl. Stir in 2 tablespoons of the hot sauce. Pour egg mixture into sauce, stirring vigorously. Add chicken pieces, water chestnuts, and clams, mixing well. Spoon into pre-baked pie shell.

Roll out unbaked pastry into a circle to cover pie. Fit pastry atop, crimping edges over rim, pricking with fork to allow steam to escape. Bake 30 to 40 minutes or until top crust is deep, golden brown.

Soybean standards revision

WASHINGTON — The U.S. Department of Agriculture will retain test weight as a grade-determining factor and reduce the number of classes from five to two in its revised standards for soybeans.

The final rule on soybean standards will become effective Sept. 9, said Kenneth A. Gilles, administrator of USDA's Federal Grain Inspection Service.

The rule also sets limits for unsanitary items such as glass or weed seeds that would cause soybeans to be graded "U.S. Sample Grade," and revises the format and clarifies the language used in the standards.

The revised standards eliminate the current classes of Green, Black and Brown soybeans and keeps the Yellow and Mixed soybean classes.

Under the standards, when soybeans of other colors in a sample exceed 10 percent, the sample is classed as "Mixed Soybeans" and the percentages are certified. For example, mixed soybeans are certified as "U.S. No. 2 Mixed soybeans: Yellow soybeans 80%, Soybeans of other colors, 20%."

"Soybeans of other colors" are defined as black, brown, green and bicolored soybeans.

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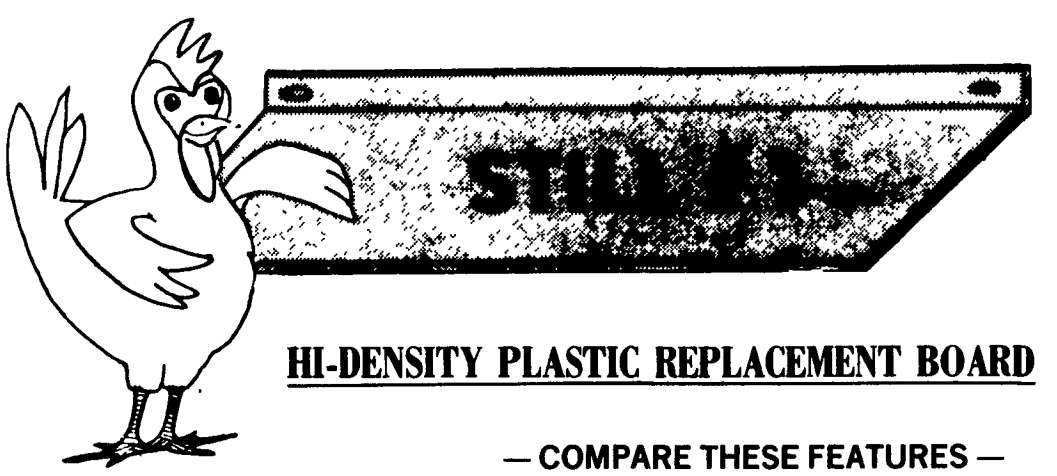

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THE MICRO WAY

LANI BLOOMER

Microwave fresh spring vegetables

There's nothing sweeter than the taste of the first fresh vegetables from your garden after a winter of frozen or canned produce. If you have a garden, you may be lucky enough to be getting fresh asparagus, spinach and early peas already.

I've been told to put a pot of water on to boil before I go out to the garden to pick the asparagus. And it's true, cooking garden vegetables immediately does give you the sweetest flavor. But if you have a microwave, forget the pot of water!

Wash your vegetables, cut them for serving, and pop them in the microwave. In less time than it takes to boil the pot of water, they'll be deliciously tender-crisp and ready to eat.

Vegetables cook well in your microwave by steaming. Properly steamed vegetables keep a bright garden green color. Also, since they are exposed to less water and heat than boiled vegetables, more vitamins and nutrients are retained in microwaved vegetables, (The water soluble and heat sensitive vitamins are not as apt to be lost.)

When cooking fresh vegetables in your microwave, use very little water; two or three tablespoons is usually enough. Use a container with a tightly fitting lid to trap the steam around the vegetables. Use HIGH power, unless you have some big old tough veggies that need simmering (30-50% power) to get tender!

To cook in a container that has no lid, like a serving dish, cover the top with plastic wrap. Vent (leave open a LITTLE) one corner so the plastic does not blow up like a balloon from the steam pressure inside. If the plastic wrap you use now melts from the heat of the steam, switch to either Renold's Plastic Wrap or Saran Wrap. These two brands do not melt as easily, since they are made of a different kind of plastic than cheaper brands.

Don't sprinkle salt on top of vegetables before cooking, or you may end up with burned spots where the salt landed! I cook vegetables unseasoned, then season them at the beginning of the standing time.

Remember, vegetables need at least five minutes of standing time to finish cooking and become fully tender after microwaving.

Here are some cooking tips for fresh spring vegetables so you don't end up with petrified peas! The cooking times here will give you tender but crisp vegetables, after five minutes standing time. If you like your vegetables softer in texture, "Southern style," add a little more water to the pan (up to ¼ cup only) and cook for a minute or two longer per pound.

Fresh Asparagus

Choose stalks of similar thickness, if possible, for cooking together. If there are some fat and some skinny stalks, as I usually have from one picking, put the fat ones on the outside edges of the pan. "Hide" the skinny ones in the middle of the dish so they won't get overcooked.

Arrange the spears in a flat oblong dish, such as a loaf pan or an 8x11-inch utility dish. Put the spears in the dish with the ends out and the tips overlapping in the center. This will give the tougher stems more cooking than the tenderer tips. Add enough water to barely cover the bottom of the dish. Cover the dish with plastic wrap or a tight lid.

The cooking time for fresh asparagus depends on the thickness of the spears, and varies greatly. Thin spears will cook in about four minutes per pound, while thicker ones may need six to seven minutes per pound. Figure the timing based on the thickness of the stalks and the quantity you have. (Five medium stalks is about a quarter pound.)

If the asparagus is refrigerated so the spears are cold, or if you like them cooked soft, they will need to cook a minute or two longer per pound. Be careful not to overcook asparagus, or the spears will be tough and stringy.

The stems should still be crisp and slightly firm at the start of the standing time. They will become more tender during the standing time as they finish cooking.

Peas

Shelled green peas take about five minutes per pound to cook. (Two cups of shelled peas is about one pound.) If the peas are big or old they might take a little longer. Add two tablespoons water and cover tightly. Stir the peas once, halfway through the cooking time for the most even cooking results.

Sugar snap peas in their pods take six to seven minutes a pound if the pods are whole and thick. If the pods are cut (as in cut green beans) they will take about five to six minutes per pounds. Add two tablespoons water, cover tightly, and stir once halfway through.

Very thin snap pea pods, or snow pea pods (edible pod peas) can be stir fried in a casserole with a lid. The water clinging to the pods after rinsing will produce enough steam, so don't add additional water for stir frying.

You may use butter or oil if desired, but his is not necessary, since the peas won't stick to the bottom of the pan. If you're using butter or oil, heat it before adding the pea pods to the casserole.

Cook, covered, for three to four minutes per pound. I like them very crispy, so mine are done as soon as all the pods turn bright green and are hot. Stirring each minute helps them cook evenly. Let them stand only three to four minutes, then serve quickly since they cool down easily.

Spinach (or Greens)

Wash leaves, remove stems, chop, etc. as desired. Place in a large casserole with a lid. Do not add water, moisture in and on the leaves will be enough for steaming.

Four cups of gently-packed greens is about one pound. Cook, stirring once, for six to seven minutes per pound. For finely chopped or very young greens, five minutes per pound may be enough. Season and let stand before serving.

NOTE: The times above are for microwaves with 600-700 watts of cooking power. For 500-600 W, add 10 seconds for each minute of cooking time; for 400-500 W, add 20 seconds to each minute.

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Attention to details needed for home fruit planting

ITHACA, NY – Fresh, juicy tree- or vine-ripened fruits from your backyard can be a highly rewarding prize for your efforts, but caring for home grown fruits takes attention to detail for best results.

If the trees, vines, or plants are already in the ground, then you have to work with what you have. For plantings, though, good planning helps to assure success, according to Cornell University specialists. Success or failure is largely determined by suitable site, soil conditions, selection of adapted varieties, control of pests, and cultural requirements.

Professors John P. Tomkins and Gene H. Oberly, both in the department of pomology in the New York State College of Agriculture and Life Sciences at Cornell, point out that home fruit planting represents an expenditure of effort and money, hence it should be done with a careful plan. Arrangement, spacing, cultural requirements, and family preferences are considerations that influence the choice of varieties.

Early spring is the preferred time for planting both trees and small fruits, according to Tomkins and Oberly. A soil test helps guide your efforts to obtain optimum soil acidity and fertility required for fruit production.

For tree fruits, insect and disease control throughout the season is a major consideration in growing blemish-free fruit. This reality may favor planting dwarf trees that can be easily sprayed with hand operated equipment.

Small fruits-such as strawberries, raspberries, and grapes--have some advantage in that they require less space for the quantity of fruit produced, and they bear at an earlier age, the Cornell pomologists say.

If you want more information, including cultural recommendations and proven varieties, consult "The Home Fruit Planting," a Cornell Cooperative Extension publication written especially for home gardeners. Along with general advice, authors Tomkins and Oberly give specific guidance for tree fruits, grapes, bramble fruits, blueberries, currants, and strawberries.

"The Home Fruit Planting" is available by mail at $2 per copy, including postage and handling, from the Cornell Distribution Center, 7 Research Park, Ithaca, NY 14850. Make checks or money orders, in U.S. funds only, payable to Cornell University.

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Beaches around the world are eroding away

WASHINGTON – Observant beachgoers who suspect their favorite slice of sand has retreated this year may be right.

It probably has. Beaches around the world are eroding, because the oceans are rising.

Orrin H. Pilkey, a marine geologist at Duke University, says a typical Texas beach erodes about five feet a year, and one in North Carolina, two to three feet. New York sand-lovers lose two to six feet, he estimates.

"A lot of people won't believe these figures," says Pilkey. "They plunk themselves down at the shore and contentedly observe that 'the beach looks the same this year.' But whether they realize it or not, most shorelines are retreating."

Blamed on Melting Ice

Many scientists think the rise in sea levels and the resulting erosion are caused by a warming trend in the atmosphere, which is causing ocean waters to expand and glaciers to retreat, and possibly is melting the polar ice sheets. The National Academy of Sciences and the Environmental Protection Agency predict that seas levels will rise two to five feet by the year 2075.

Human sins against the shore aren't helping matters. Buildings plunked on or near beaches have speeded up the erosion process, Pilkey contends.

"In the United States, when sea waters threaten buildings, communities fight back with jetties, groins, and sea walls," he says.

"In most cases, they are counterproductive. Almost every coastal state has lost two or more beaches because of sea walls."

Pilkey, who is helping write a series of 22 books on state shorelines, has described the proliferation of these structures as "New Jerseyization," because he thinks that's the state where they've done the most damage.

The geologist concedes that jetties sometimes may be necessary, but says they should be constructed only to protect major harbors. He estimates that half the sand for Texas beaches is tied up behind jetties.

Disrupting a Natural Cycle

All these construction projects disrupt the shape of beaches, their sand supply, and the wave energy and sea levels that affect them, Pilkey says. Dune removal, which often precedes construction, reduces the sand supply used by a beach to adjust its profile during storms.

Yet, building right on the beach, or "Floridization," as Pilkey describes it, continues at a brisk pace. "Not long ago," he recalls, "I saw salemen bringing prospects down to look at a big, new condominium in South Carolina. They did it at low tide in the morning, because by evening the beach had all but disappeared."

Fortunately, mainland beaches have strong natural allies that have enabled many of them to withstand the rigors of overdevelopment–the barrier islands off the eastern and southern coasts.

So named because they serve as buffers between the mainland and the ocean, the barrier islands moderate the effects of tides and storms. The low, sandy islands extend from Massachusetts all the way to Texas.

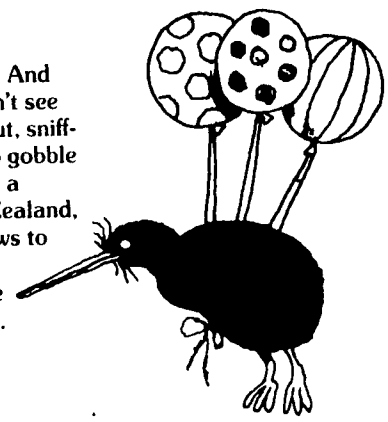
As fluid as desert dunes, the narrow strips of sand change constantly–waxing, waning, and migrating as the sea washes sand away here and piles it there. Resorts even have been built on some of these islands, but many others remain wild.

Unlike people, the undeveloped barrier islands adjust to the forces of nature, not by building but by flattening themselves. As the sea level rises, they move back or migrate toward the shoreline and regroup.

"Would that man would show the same intelligence," says Pilkey with a sigh.

WHO AM I?

I'm a bird, but I have no tail. And my wings are so tiny you can't see them. At night I waddle about, sniffing out worms and insects to gobble up. During the day I sleep in a burrow. The people of New Zealand, where I live, have passed laws to protect me. They don't want me to become *extinct*, or die out, like my cousin the moa.



Answer: I am a kiwi.

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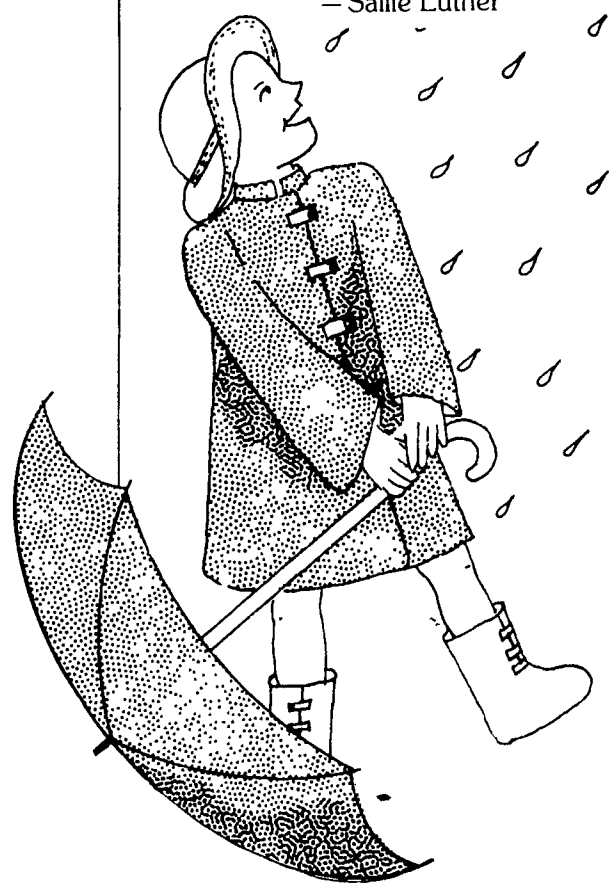
Any day;
Splash upon
My eyes
And nose,
Wet my fingers,
Wet my toes.
I think people
Are insane
When they say that
They hate rain!

– Sallie Luther



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3.	YELLOW	8.	PEACH
4.	BLUE	9.	PINK
5.	BROWN	10.	LT. GREEN

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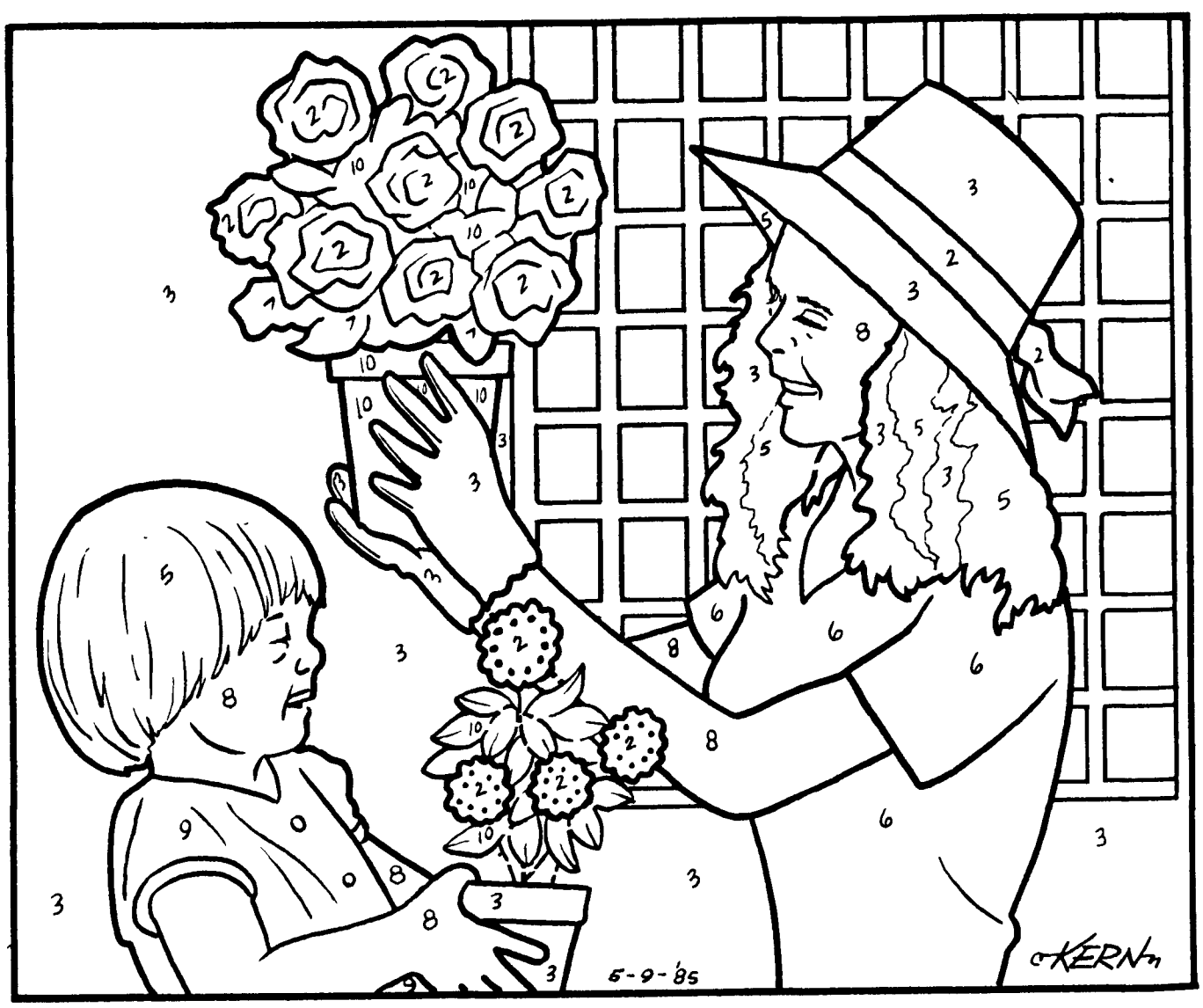

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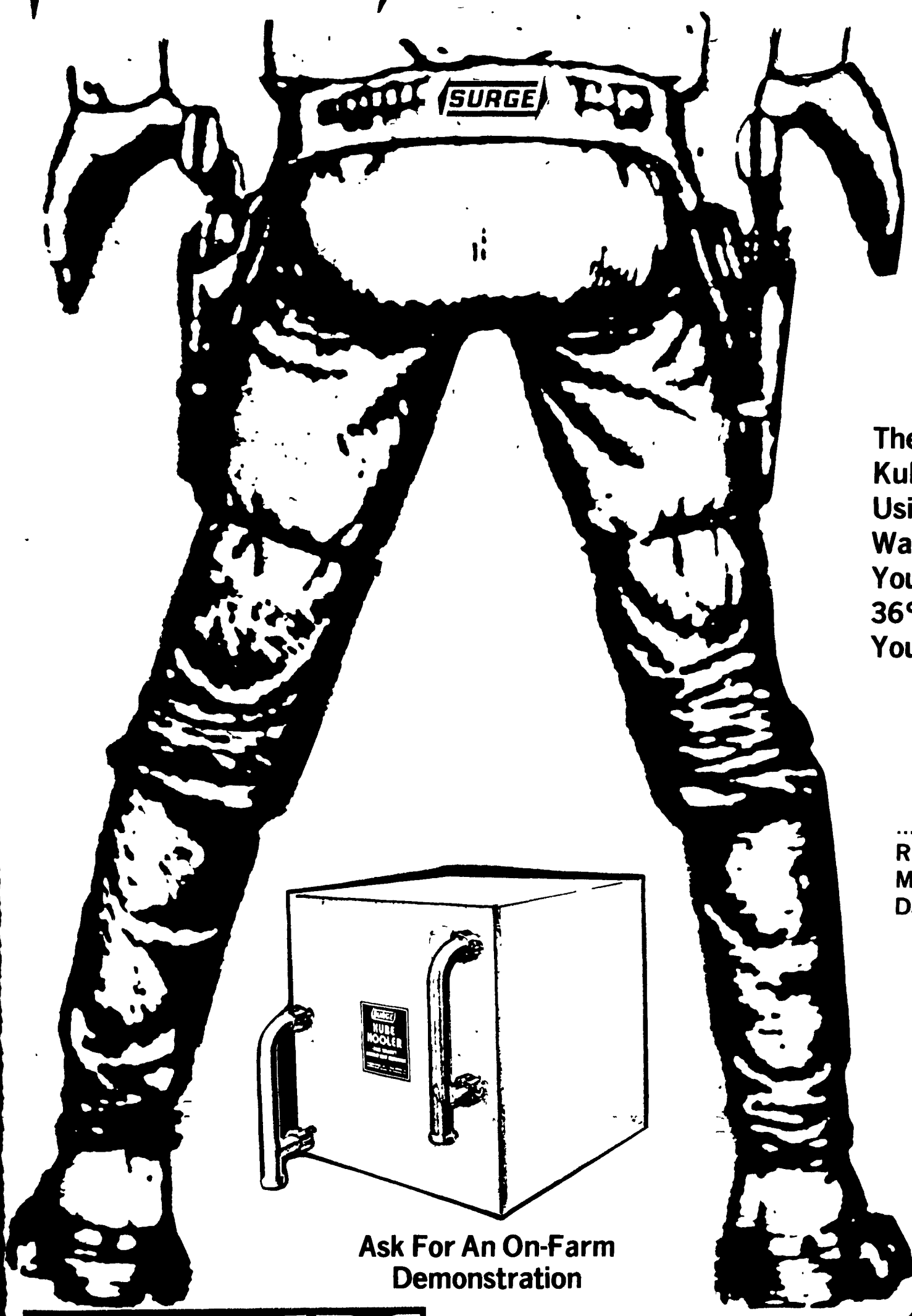

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Tammy Sue Moll is Berks County's new dairy princess

BY ROBIN PHILLIPS
Staff Correspondent

LEESPORT — Berks County dairy farmers selected a new representative on May 4th, when 1984 Berks County Dairy Priness Debbie Price turned her crown and duties over to Tammy Sue Moll, Hamburg. The 1985 Berks County Dairy Princess pageant, held at the Ag Center in Leesport, attracted a large crowd to see the crowning of the new princess.

After a tearful farewell and summary of her reign, Price placed the crown on 17-year-old Tammy Moll. The outspoken junior was all smiles and enthusiasm for her new job.

Moll is the daughter of Mr. and Mrs. Mark Moll, R1, Hamburg. Her family milks 24 Holsteins and several Jerseys on their 107-acre farm.

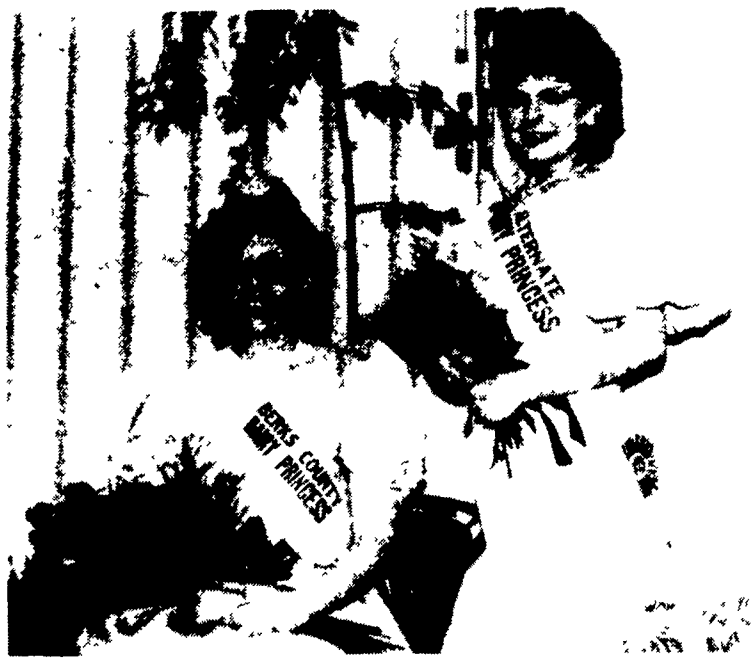
An active participant in the daily farm chores, Tammy is also well known in her community. She attends Hamburg Area High School where she participates in National Honor Society, Library club, Spanish Club, class plays, and in chorus. She received the US Achievement Award in Spanish and is listed in the Who's Who Among American High School Students. She is also an active member of St. Michael's Church and participates in the Tilden 4-H Club.

Dressed as "Minnie Mouse" for her skit presentation on milk, Tammy explained, "Everyone knows mice just love cheese." Her presentation included plans for a party complete with all the nutritious dairy products. "They are a concentrated source of nutrients," she continued about dairy foods as she included the Disney characters along with the qualities of dairy products. "You can build big puzzles with nutrients," she explained, "and to get the proper picture, you need all the pieces," she stated as she concluded her skit.

The annual pageant featured six well-qualified contestants who were required to attend a "Dairy Princess Orientation Seminar" and a full afternoon of interviews and preparations for the pageant. The other five contestants included Naomi Herbert, Kutztown; Ann Kopfer, Fleetwood; Joannne Kunkel, Kutztown; Stacey Meyers, Kempton; and Susan Troutman, Myerstown.

Ann Kopfer was named the alternate Dairy Princess. Ann is the 17-year-old daughter of Mr. and Mrs. Robert Kopfer. They milk 60 Holsteins and Guernseys on their 210-acre farm. Ann is an active member of the Eastern Berks 4-H Dairy Club and serves in many community associations.

Judges for the event were: Roberta Bronson, dairy marketing specialist with ADA, Wayne Beshore, president of the Pennsylvania Dairymen's Association, and Richard Shellenberger, manager of the Kreider Farms dairy operation restaurant in Lancaster County.



Tammy Moll and Ann Kopfer are the new Berks County royalty for the dairy industry.

Delaware Extension offers pressure canner checks

NEWARK, Del. — The Delaware Cooperative Extension Service will hold a number of free clinics throughout the state during May and June to test pressure canners.

"Before the canning season starts, it's wise to have the dial or sliding core gauge on your pressure canner checked for accuracy against a master gauge," advises University of Delaware extension home economist Claudia Holden. A weighted gauge doesn't need to be checked, since there are no mechanical parts to get out of order.

Holden also says to replace hard or cracked gaskets and clean petcocks and safety valves on canner lids, if this wasn't done before storage at the end of the season last year.

Free pressure gauge testing clinics will be held as follows:

May 20–10 a.m. to noon at the University of Delaware Substation, Rt. 9, Georgetown-Laurel Highway, Georgetown.

May 23–9 a.m. to noon at Fifer's Farm, Wyoming.

May 23–4 p.m. to 6 p.m. at Luther Towers, Dover.

May 29–9 a.m. to noon at the Milford Fire Hall, Front St., Milford.

May 29–2 p.m. to 4 p.m. at the Kenton Senior Center, Road 300, Kenton.

June 10–10 a.m. to noon at Byler's Store, Route 8 between Dover and Hartly.

June 12–10:30 a.m. to noon at Tull Brothers, Stein Highway, Seaford.

June 17–10 a.m. to noon at Hillman's Hardware, Midway Shopping Center, Rehoboth Beach.

A pressure canner is the only safe way to can low-acid foods, including all vegetables except tomatoes, and all meat, fish and poultry, says Holden. Temperatures greater than boiling are required to destroy the spores of Clostridium botulinum. If not sufficiently heated, these spores can grow and produce deadly poisons in low-acid foods.

Besides opening the door to possible botulin poisoning, inadequately heating such foods during canning increases the chance of spoilage due to growth of other bacteria and mold.

When using a pressure gauge which reads too high, food may not reach a temperature sufficient to destroy the spores of C. botulinum and other spoilage-causing microorganisms.

A gauge that reads too low may lead to overprocessing which, although leaving the food safe to eat, reduces its quality by causing poor color, flavor or texture. The excess pressure will also require more energy and so could add substantially to the cost of food preservation.

Russellville Grange hosts sewing contest

RUSSELVILLE — Russellville Grange was host to the annual National Grange sewing contest Saturday, April 20th.

Listed among the winner were:

Class A

1st–Elaine Cook, Brandywine Grange; 2nd--Debbie Warren, Chester Valley Grange; 3rd–Bertha Supplee, Goshen Grange.

Class B

1st–Kathy Kessler, student at Unionville High School, graduating in June 1985.

Judges for the event were: Nadine E. Hook, Russellville; Betty Everhart, Elverson; and Florence Laird, Downingtown.

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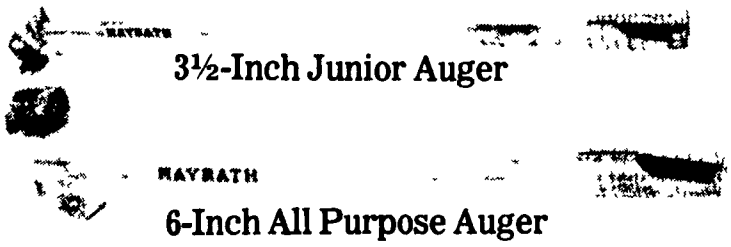

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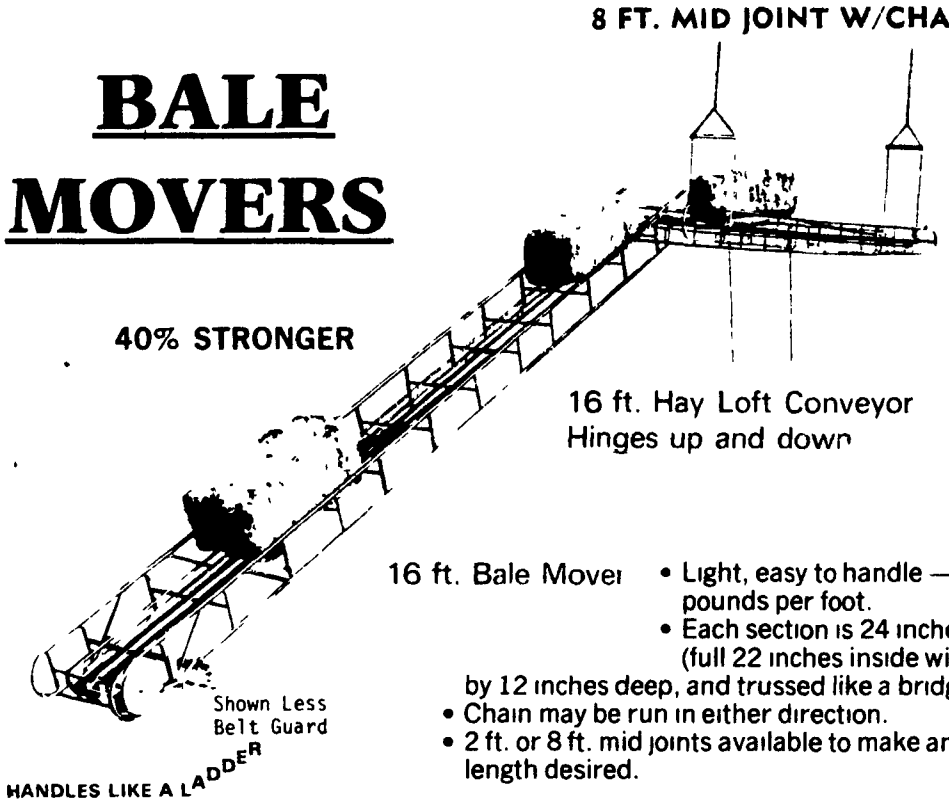

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

How To Wash Contaminated Clothing

The spring spraying season is here–are you prepared? Do you know what to do if your clothes have been contaminated by pesticides or other poisons? If you don't know, your clothes could be a hazard to you and your family. The residue from drift or spills can contaminate even the most cautious workers.

Although restricted-use pesticides are not generally available to home-owners, occasionally do-it-yourselfers need to apply toxic substances. Whether you are spraying trees for pests, roadsides for weeds, or your home for unwanted insects, you need to know what to do with the protective clothes you've worn.

After using pesticides, remove all clothes you've worn and immediately place them in a plastic container. Don't throw them over the back of a chair or dump them into the family laundry pile. Put them in a bag with a tie closing, or in a bucket with a lid, until you are ready to launder them. Take a shower, shampoo, and scrub well.

As soon as you are ready to wash the toxic clothes wash them separately. It is important that they do not come in contact with other clothes because pesticide residue may be redeposited on other garments. Always check the pesticide label and garment label for specific laundering and handling instructions.

Then, to launder contaminated clothing, use a normal or full load water level, depending on the number of clothing items. Wash with a heavy-duty phosphate-based detergent and use the amount recommended on the label. Set your machine on a long washing time, the same you would use for heavily soiled garments. DO NOT overload the washing machine. The point is to wash the contaminants out, not just move them about.

After removing the garments from your washing machine, clean the machine by running it a second time empty, but with detergent. For added protection, wipe out the tub, using isopropyl alcohol. Dry the once contaminated, now clean, garments as usual.

Routine Freezer Care Can Prevent Food Loss

The consumer's greatest concern with a home freezer is mechanical or power failure which can result in food losses. Some, but not all, of these failures can be avoided by routine care, proper use, and awareness of when to check for possible trouble.

Clean dust from coils of the freezer once or twice a year in strict accordance with the instruction manuel for the unit. At this time, note any changes which have occurred. Have a dealer or repairman check unusual noises or excessive running. Also, note the condition of door gasket. If the seal is no longer tight, have it replaced. Storing objects on top of a chest-type freezer can cause misalignment and can damage seals.

Air circulation around the coils should not be covered or blocked in any way. Check the plug for a firm fit. If the plug is loose in the receptacle, it may fall or be bumped out without anyone noticing. Replace loose plugs. Some hardware stores sell clips that clamp the plug in by means of the screw that holds the receptacle plate onto the outlet.

Check your freezer at least once every day. If the freezer has a power signal light, check that. A door lock on your freezer will help prevent accidental unlatching of the door.

Freezer owners should know where the closest commercial freezer locker or source of dry ice is, in case of an extensive power failure. Check your home freezer after thunderstorms causing power failures since freezers have been known to be damaged when power drops or surges.

Mechanical devices do occasionally fail, and freezer owners should make plans for such emergencies. Preventive maintenance will help reduce the likelihood of such failures.

Extension offers programs for Christmas tree growers, beekeepers

FLEMINGTON, NJ – Prospective Christmas tree growers and beekeepers will have the opportunity to attend educational programs that have been planned for this spring.

A Christmas Tree Growers Short Course has been scheduled for Saturday, May 18 at Cook College, New Brunswick. Topics include weed, insect and disease control and wildlife damage and control. The afternoon includes a tour of a Christmas tree farm. The cost for the all-day program is $35 and includes morning refreshments, lunch, and publications.

For those people interested in raising bees for fun and profit, a three-day beekeeping short course will be held June 26, 27, and 28." Highlights of the program include bee diseases, beekeeping equipment, seasonal management, queen rearing, swarms, extracting honey, candle making, and more. The cost of this program is $50.

For more information and registration on these two programs call Mrs. Manson at (201) 932-9271.

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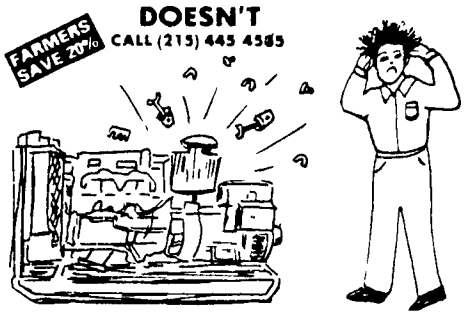

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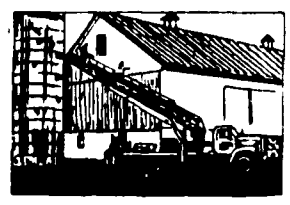

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With support of family and friends
Nancy Ambler adjusts to new life

BY SUZANNE KEENE

KIRKWOOD — Nancy and Bob Ambler had spent the warm, sunny August day working together on their Lancaster County dairy farm.

"We were always together — in the barn or the fields," Nancy says, recalling their contented lifestyle before tragedy struck that fateful day. Later in the day when the chores were done and the family had gathered around the television to watch the Olympics, Bob complained of chest pains. Even before the ambulance arrived he was dead, and Nancy had become a widow with three children and a dairy farm to look after.

The months following Bob's death have been difficult, Nancy admits, but family and friends have helped lighten the burden.

With the thoughtful counsel of her family, Nancy decided to sell the dairy herd of Holsteins and Ayrshires and then the 160-acre farm and stone farmhouse that had been their home.

"It's been rough on the family," Nancy says. "There have been a lot of changes."

In September the Amblers held public sale, and by October the farm and all but four of the cows were sold. Nancy's two daughters, Christine and Denise each kept a cow and a calf from the herd, a reminder of the farm and father they have left behind.

Despite her losses Nancy still has her family, who have supported her throughout her ordeal. "It has really drawn the family together," Nancy says. They were there to help her through settling the estate and preparing for public sale, and offered a listening ear and a strong shoulder to cry on during especially lonely times.

Nancy also has the companionship of her three children who all live at home, Robbie, 24; Christine, 22; and Denise, 19. Robbie, who has some slight brain damage, has four beef animals now and hopes to add more soon. He also works for local farmers when they need help.

Christine, who has a learning disability, works at a neighboring dairy farm milking cows. "She wants to milk cows. It's in her blood," Nancy says with a proud smile.

Denise, a former Lancaster County dairy princess, is currently a state FFA officer, serving as Eastern Region vice-president. She also works part time at Hershey Farms Restaurant.

The strength of family ties prompted Nancy to purchase 29 acres of land close enough to her parent's home that she can see their lights from her front door. The proximity of her parents, Paul and Mary Thompson, allows them to keep a protective eye on her — a favor she returns to them.

For now, Nancy and her three children are living in a two-bedroom trailer that came with the property. Her new home also has a 12-stall barn and several small outbuildings.

While the barn lets the door open to the possibility of dairying in the future, Nancy says she doen't think she'll go that route again. "I don't think dairying is ever going to get that good again," she says, referring to the current dairy economy.

The girls would like to use the barn to raise replacement heifers and Robbie wants to build a beef herd. But for now the barn is home to Denise's rabbits and to the family's four dairy animals and four steers.

Because they sold all their equipment with the farm, the Amblers are relying on neighboring farmers to plant and harvest their corn and hay. An Amish farmer has agreed to plant and harvest their hay for half the crop, and another farmer has been contracted to plant the corn.

The trailer is only a temporary home. The Amblers are in the process of building a log cabin next to the trailer, which they will sell when their new home is completed.

Nancy and Denise Ambler pose in the living room window of their new log cabin. The family, including family pet Sarge, is anxious to move in.

They had looked at double-wide trailers and pre-fabricated houses, but when they saw the log cabins in contractor Levi Beiler's books, they looked no further. "That was as far as we had to go," Nancy says as Denise nods enthusiastic agreement.

Bob always said, Nancy recalls, that if he ever sold the farm, he wanted to build a log cabin in the woods. "We're doing what we think he would want us to do," she says.

Despite a few setbacks — the roof went to Philadelphia and some logs ended up in North Carolina — work on the cabin is progressing well and it should be done by July. The Amblers are helping in the construction to save as much money as possible. They decided to pay the contractor for time and materials instead of taking a package price. "So, the more we can help, the less it's going to cost us," Nancy says.

Christine and Nancy's father, Paul, hammered in the first nail and helped put down gaskets. Nancy and Christine did some caulking and sanded logs. Everyone in the family has had some involvement in the project, Nancy notes.

(Turn to Page B18)

Robbie and Nancy's father, Paul, hammer some nails into the front porch. Since her husband's death, Nancy says Paul has provided male companionship for Robbie.

BACK HOME

By Michelle S. Rodgers

Berks Extension

Home Economist

It's the Little Things That Count

It was a small thing to do, but it really made my day! It was a rainy morning and I was in a rush. To add to the dilemna, the gas tank was registering a big "E" and refused to budge above the empty mark even when headed down hill. I pulled into the closest gas station and pumped enough gas to get me to and from my destination, payed the attendant and pulled out with a screech. Finally, I was on my way!

At the next light (it seemed they were all red that morning), I noticed with disgust that the car behind me was practically on my bumper, I made my turn only to be followed by that car still on my bumper. Then driver behind me beeped the horn, and my heart did a somersault. "It must be an unmarked police car," I thought as I glided to the side of the street.

But to my amazement, a gentleman jumped out and informed me that I had forgotten to replace my gas cap back at the station. It had rolled off when I pulled out, and was still back there. I gave a flustered but heartfelt thank you and went back for the missing gas cap. I was now later than ever, but that thoughtful gentleman changed my entire outlook on the day.

So, it is the little acts of kindness that really can and do count. Not only is it important to a stranger, but also to family members, our bowling teammates, our card club, womens group, and co-workers. It involves giving a portion of ourselves to extend a little kindness and appreciation to others, whether friend, foe, or stranger.

Opportunities to "show a little kindness" are all around us. When I recall kindness shared with me this week, I remember a door being held open while my hands were full, a thank you note for our Make and Take day program, a store clerk who gave me personal assistance in finding an item, the bank teller who rescued me from a long line of waiting, assistance in getting dinner ready, a co-worker's advice, the dentist who fit me into a busy schedule for an emergency appointment, and a note from a distant relative who enjoyed reading this column!

Most of these examples didn't involve any great expense or expenditure of time. But, the result was a better, brighter week for me. I think that it is sometimes easier to do this for others than it is in our own families. But certainly one act of kindness may be the highlight of another family member's week. Acts of kindness extended generously and unconditionally are building blocks for stronger families and a better community and society.

What kindness have I extended to others? What can I do? Hopefully these will be questions that will urge our conscience into action in the weeks ahead. Slowing down the pace or scheduling fewer activities may be what is needed to give all of us a chance to even notice the opportunities that we have to share a little kindness.

And that brings me back to the gentleman that took the time to follow me and return me to my "almost" lost gas cap. "Thank you again...whoever you are. You made my day!"

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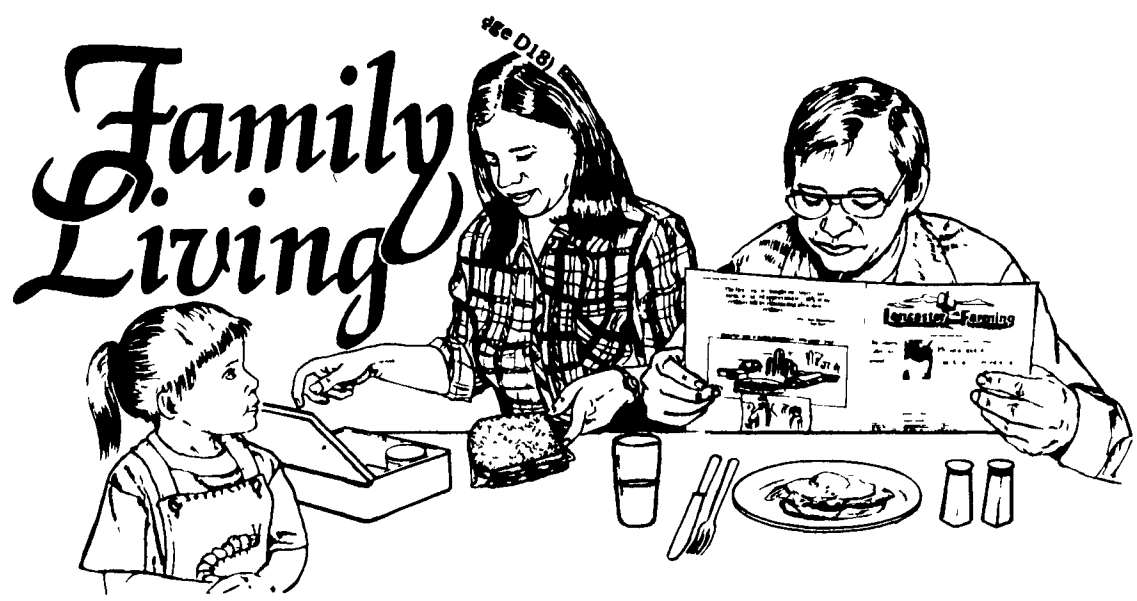
(See D18)



F.W.S. Calendar

Saturday, May 11

Lancaster Society 19 meets for a program on Megatrends by Vi Eshleman.

Lancaster Society 25 meets at 1:30 p.m. for a nutrition program.

Lancaster Society 2 entertains Society 31 at 12:30 for luncheon at the Farm and Home Center.

Tuesday, May 14

Lancaster Society 22 meets at 1 p.m. to hear a speaker from Hospice.

Lancaster Society 23 meets at 6:15 p.m. for a mother and daughter banquet at Masonville Mennonite Church.

Thursday, May 16

Lancaster Societies 22 and 23 entertain at Conestoga View.

Saturday, May 18

Lancaster Society 3 meets for a program by Foster's Flowers.

Lancaster Society 12 meets for a silent auction.

Lancaster Society 18 meets at 1:30 p.m. for a program by Joy O'Shea, Miss Hope of 1984.

Lancaster Society 8 meets at noon at Donegal Presbyterian Church to entertain Society 3.

Lancaster Society 4 meets at Ironville United Methodist Church for a mother/daughter tea.

Farm Women Societies

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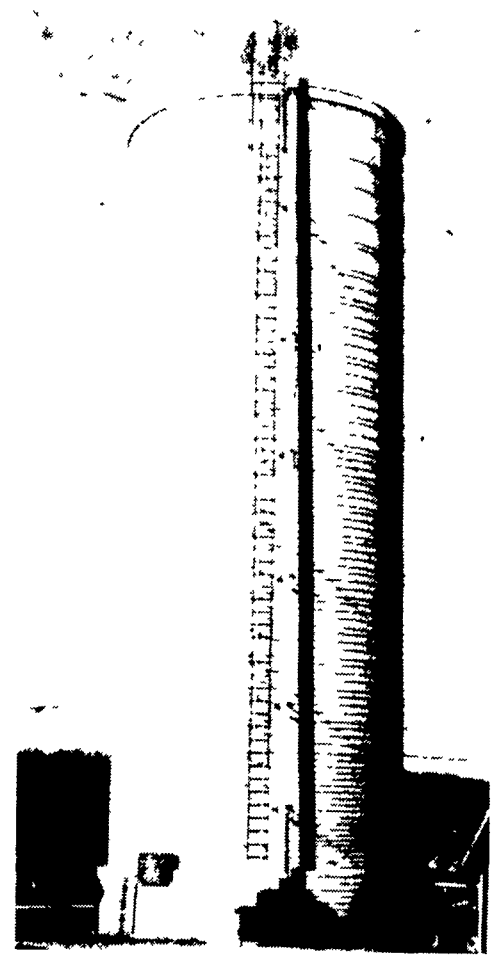

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Lancaster Society 10

Lancaster Society 10 met recently at the home of Mary Habecker with Kathryn Hebbe as co-hostess.

Marion Long, Rohrerstown, presented a book review on "Growing Up in the 30's," by Russell Baker.

The next meeting will be June 8 at 1:30 p.m. in the Willow Street Mennonite Church. Hostesses will be Kathy Scott and Lucy Miller.

Lancaster Society 28

Lancaster Society 28 met on April 25 at the Esbenshade rec room. Members from Society 23 and county president Joanne Hershey were their guests.

President Beulah Landis conducted a short business meeting.

The group will be entertained by Society 34 on May 20 at the Quarryville Methodist Church.

Speaker for the evening was Lydia Potts, who spoke on "Image of Loveliness.'

A mother and daughter banquet will be held May 23 at Historic Strasburg.

Pomona Grange 71

Pomona Grange 71 Master Clifford Holloway Jr. presided at their spring meeting at Fulton Grange Hall, Apr. 20th.

Ronald Shaffer, Elizabethtown Area Grange, reported on attending a legislative meeting with Secretary of Agriculture John Block and Congressmen. Plans were made for a Grange girl to participate in Youth Day at the annual State Grange session at Warren, Pa. Ronald Shaffer and Tracy McCoy were selected to represent the Pomona Grange at the election of Trustees at Penn State University May 16.

A $15 donation was given to the National Grange Youth Leadership Fund and a $25 donation to the State Grange Building repair fund.

The Master appointed the following on the resolution committee for the next two meetings: Ronald Shaffer, Richard Lefever, Dale High and Joseph Hess.

Lecturer Dorothy Berry presented the program: Peggy Gordon and Sandy Galbreath sang two duet numbers, accompanied by Sally Jackson on the piano. The speaker was Elvin H. Yeagley, Elizabethtown R.1, who spoke on the problems of the deaf and the use of hearing aids. He demonstrated an audiometer and other hearing and testing equipment.

Colerain Grange No. 1776 will be host for the Pomona Grange picnic July 13th, 7 p.m. at Huffnagel Park, Quarryville, and will furnish butter, rolls and beverage. Members and friends should provide two dishes of food and place settings.

Fulton Grange 66 observed GRANGE WEEK by holding Open House and a special program with the main thrust on community service.

Receiving Fulton Grange's annual Community Service award was Jill Hassler, director of Hidden Acres Farm Goal's Inc. Mrs. Hassler and her husband, George, sensing the need to assist handicapped young people in their total growth and development as individuals have originated this program which provides room and board, supervision, instruction, recreation, encouragement, accepting responsibility, and advisory service.

Ida's Notebook

Ida Risser

It has been a busy week and we're still a bit tired. We drove to Lewisburg for our oldest daughter, Nancy, and our grandson, David. They flew east from Seattle for our son Jeffrey's wedding.

Our grandson will be five this month and he is a real live wire. He is quite alert and doesn't miss a thing. We played a lot of games with him while he visited us and we skipped stones on the Conestoga River. He loved to pick dandelions and "sold" his mother a bouquet for make believe money.

A stone flew off the road and cracked our windshield just before we planned to leave for Pittsburgh for the wedding. Luckily, we were able to have it replaced and the trip out the turnpike was uneventful for us but not for our youngest daughter. She got a flat tire and had quite a time finding the proper tool to change it. Even a store that she walked to sold her the wrong one. But her experience wasn't as bad as one carload of friends who missed an exit on the turnpike and then arrived after the wedding ceremony was over.

However, they did get to see the pretty bride in her beautiful beaded, satin gown. The weather was perfect and the reception line formed outside the Presbyterian chapel. The bride and groom walked through a hilly woodland to the Churchill Valley Country Club. Our motel was built on a hill and the bride's parents backyard had a steep drop-off to a golf course. Pittsburgh is truly built on hills.

Now that we're home again, the lawn needs mowing and the lawn mower is broken. And, despite the dry weather, the weeds are growing in my garden but so are the sugar peas and I can pick some next week.

Teenage athletes need good nutrition advice

NEWARK, Del. – Adolescents who participate in sports frequently receive dietary advice from coaches, trainers and peers on how to eat to maximize performance. Unfortunately, some of this nutrition advice is based on faddish beliefs which may be inaccurate, unreliable and even dangerous.

Although the principles of good nutrition are the same for athletes as for everyone else, certain dietary components are more important for them, according to Cheryl Carmichael, a student dietitian with the University of Delaware's Coordinated Undergraduate Program in Dietetics. To stay fit and perform well, she says athletes should pay special attention to calories, carbohydrates, protein and fat. Because their bodies are still growing, proper nutrition is even more critical for adolescents.

Total calorie intake or food energy consumed is of prime importance, Carmichael says. In addition to the recommended dietary allowance to sustain growth, athletes need extra calories to replace those burned during exercise.

"The additional calories required varies with an athlete's age, sex, body size, type of sport and level of training," Carmichael says. "Athletes can best meet these requirements by increasing the number of food servings they eat from the calorie-plus-nutrients food groups, that is, foods which supply an abundance of nutrients such as calcium, protein, iron, and vitamins, A, B and C. Examples of these foods include milk, meat, chicken, fruits and vegetables.

Proper protein levels are also important in a young athlete's diet. "Protein, which is essential for growth and development, was once considered the body's major fuel for muscles," Carmichael says. "Muscle was thought to consume itself as fuel for its own contractions. This led to the mistaken idea that athletes needed extra protein to replace what was used, and to enhance performance."

Nutritionists now believe that adolescents who consume the recommended amount of protein for their age group are meeting their needs for protein turnover, growth and muscle development during strenuous exercise. Though they may require slightly more protein because of this activity, increasing their overall caloric intake should supply them with adequate protein if they're eating a balanced diet.

Carbohydrate and fat are the body's major energy sources, so these food components are important to growing athletes, too.

During exercise, carbohydrate and fat are released from storage in the liver and muscles in proportion to muscle activity uptake. Whether carbohydrate or fat is used depends on the person's level of activity and its duration, state of physical training, type of diet and state of health.

"Many people believe eating sugary foods like candy and soda will give them quick energy," Carmichael says. "But current research indicates that sweets eaten within several hours of athletic competition are of little benefit. In fact, this practice may actually impair performance because sugar stimulates the release of insulin which rapidly reduces blood sugar concentration and so increases the rate of fatigue. Sugar also draws water into the gastrointestinal tract and can cause cramps, discomfort and bloating."

Overall, Carmichael says, nutrition for adolescent athletes should be based on a well balanced plan which uses additional calories to supply the extra energy needed for muscle development and exercise.

Solanco Community 4-H Club

The Solanco Community 4-H Club held its first meeting of the year on April 23 at the Hoffman Building.

Officers elected for the new year are: Kent Wenger, president; Lorri Rutt, vice-president; Jodi Kreider, secretary; Craig Kreider, treasurer; Holly Kreider, news reporter; and Kerry Freese, Mark Blevins and Missy Wenger, game leaders.

Extension 4-H agent Zoanne Parker spoke to the group about future 4-H events.

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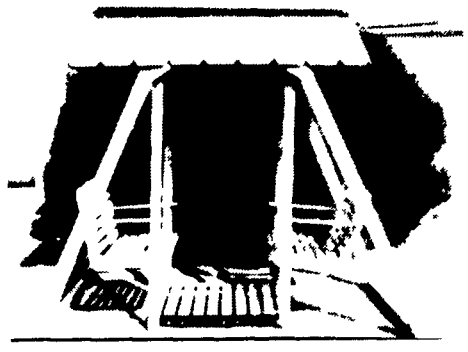

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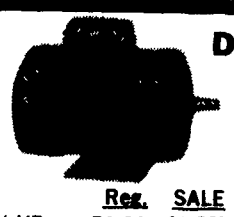

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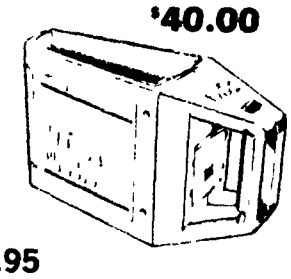

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Open canvas needlework

Open canvas needlework, or pulled thread embroidery as it sometimes is called, refers to a technique of creating positive and negative spaces by pulling, looping and knotting the canvas threads. Canvas is the most suitable fabric because its even weave, open mesh squares and starched texture provide an excellent material on which to learn.

Open work involves deflecting, withdrawing or cutting the fabric, then securing and finally filling in the open spaces. The term "positive spaces" is used to describe the canvas and stitches. "Negative spaces" are the openings left where the stitches have pulled the canvas elements out of alignment or where the fabric threads have been withdrawn completely and cut away.

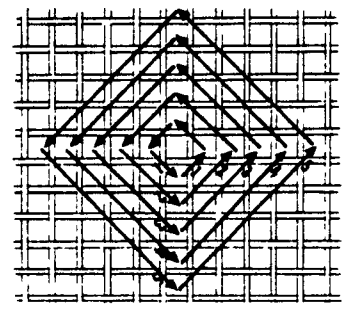
Traditionally, open work is worked in white thread on white canvas and focuses on the negative spaces exclusively. The stitches were not meant to be seen. Rather, the appeal was the pattern formed by the open areas. The degree of tension and the angle the working threads are pulled create areas of both positive and negative spaces.

Pulled thread diagrams are planned carefully to conceal connecting threads on the back and to control the slant of the stitches on the front. Before you begin a pulled thread work, you first must decide whether to outline the pattern before or after it is completed, or whether to outline at all.

When you outline first you provide a nice place to hide and bury the connecting threads. However, the outline does limit the possibility of extending the pattern.

The pulled work easily is mastered. Mastering the right tension is the only difficult technique. You should use a tight tension and pull on the thread, not the needle.

When selecting the correct mono canvas, use only the best quality, such as Joan Toggitt, because the amount of tension you must apply for this work can break the weak threads of poorer canvases.



The half diagonal flat stitch is an example of one stitch used in open canvas needlework. The stitch is started at the center and worked to the outside, and mainly is used for background and solid areas.

Mono canvas is available in many different colors to suit your personal decor. Strong, high-quality threads with little texture are recommended. The strength of the threads must match that of the canvas to prevent one or the other from breaking. You also will need tapestry and crewel needles.

A marvelous booklet produced by the DMC Corp. is perfect for the beginner, offering three projects that teach seven pulled thread stitches. A rose, butterfly and sampler pillow presented in this booklet can be adapted to other items such as purses, vests, seat covers and, of course, framed pictures.

You may order the booklet by sending a check for $2.50 (Canadian residents please send $2.95 Canadian funds or $2.50 U.S funds) to: The Craft Network, RD 5 Box 650, Newton, NJ 07860.

Lancaster honey producers to meet

DOYLESTOWN — The Lancaster County Honey Producers have scheduled their May meeting for Monday evening May 13. The meeting will begin at 6:30 p.m. with the opening of a colony of bees. There will also be a special program on beeswax, including its gathering, refining, and many of its uses including candle making.

The beeswax program will be presented by Dr. Bob Berthold, Delaware Valley College's beekeeping specialist. Professor Berthold has been presenting similar programs for many years throughout the eastern part of the United States and Canada. His presentation will include an extensive display of many aspects of beeswax in addition to an actual demonstration of beeswax refining and candle making.

The meeting will be held at Rainbow Apiaries, Route 625, East Earl, PA. From the Reading area, take Route 625 south going 2½ miles south of Bowmansville From the Lancaster area, take Route 23 east to Route 625; go north on Route 625 for about 4½ miles. Look for the Rainbow Apiaries sign.

Beekeepers are asked to bring their own chairs. Refreshments will follow the meeting. Further information may be obtained from Bob Hughes (215) 445-6674. The meeting is open to anyone interested in attending.

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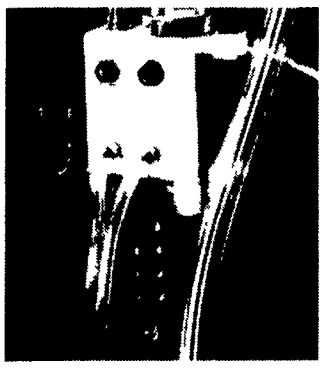

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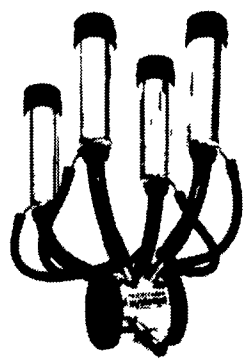

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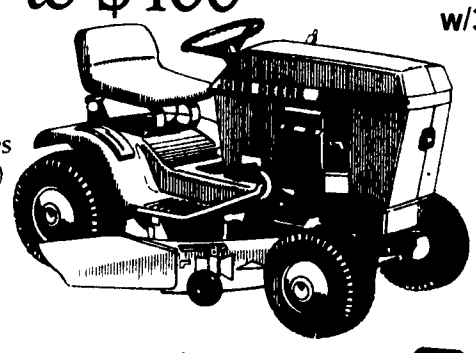

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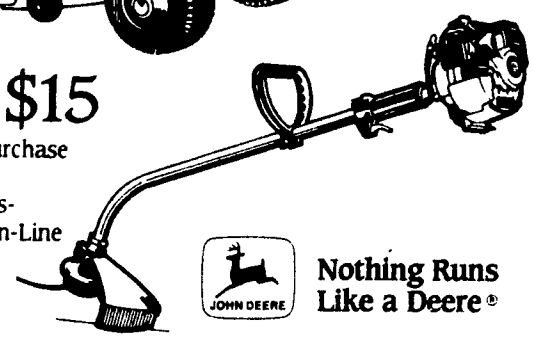

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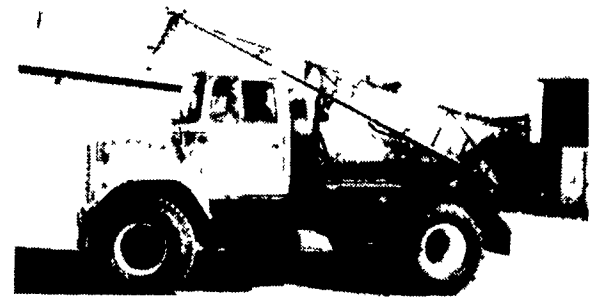

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Nancy Ambler

(Continued from Page B14)

The children are especially anxious to move into the house. They have already claimed their bedrooms and say they are tired of searching for their belongings in the tractor trailer where they are stored.

Nancy shares some of their excitement, but is more reluctant to let go of the past. As a DHIA supervisor, Nancy drives past her old home on her way to test at other dairy farms. She sees the pond they built and remembers fishing, family picnics, and the wild geese they watched nest there.

But her excitement for the new home shows through as she gives a tour of the skeletal building. "When you walk in there will be a cathedral ceiling with two skylights," she says, pointing to a space filled only by bare rafters and blue sky. "To the right will be a loft and over there the kitchen," she says, continuing the tour.

Her source of strength for the future is her family, and fond memories of the life she and Bob shared make the future easier to face. "Never say a harsh word," she advises. You never know when it might be the last word you say to a loved one.

Denise, a former dairy princess, kept her Ayrshire, Josie, and a calf when the Amblers sold their dairy farm. Denise and her sister, Christine, would like to raise replacement heifers on their new, smaller farm.

The new log cabin has been a family project. Here, Denise and Nancy Ambler demonstrate their caulking talents. Daughter Christine, who was not available for photos, also helped in this project.

Chester-Delaware Pomona Grange #3

Chester-Delaware Pomona Grange 3 will celebrate its 110th Anniversary with a banquet at East Brandywine Fire Co., Guthriesville, on May 18 at 6:30 p.m.

Past State Master Luther Snyder will be guest speaker and present State Master Charles Wismer will also attend.

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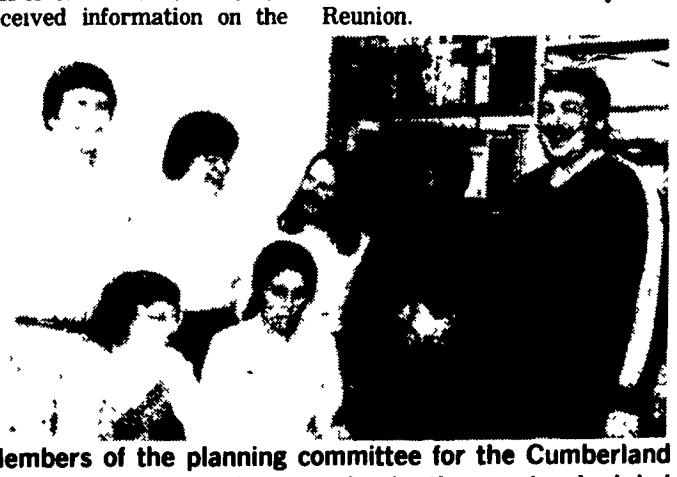
Cumberland Co. 4-H'ers plan reunion

CARLISLE — The first Reunion of Cumberland county 4-H'ers and their families, leaders and extension personnel involved in the 4-H program from 1965 through 1975 will be held Sunday, June 16. The afternoon and evening activities of games, square dancing and a pig roast will be held at Western Village in Carlisle beginning at 2 p.m.

The committee has extended the reservation deadline to May 15. Any 4-H'er or 4-H leader who has not received information on the reunion, should contact the Cumberland County Extension Office before May 15.

Photographs, newspaper articles, and any memorabilia are being sought for display during the day. Anyone unable to attend is still requested to return an information sheet to the committee for their records.

Interest in the reunion is high and the committee expects a record number of alumni for the first Cumberland County 4-H Reunion.



Members of the planning committee for the Cumberland Co. 4-H reunion are busily preparing for the event, scheduled for June 16. From left, back row, are: Arnold Rook, Lucy Lott, Ann Fox, Sandra Long and Maynard Long. In front from left are Mira Raves, Kris Speers and Diane Conaway.

Container gardens can produce quality vegetables

MEDIA — Many potential gardeners miss all the joy of growing plants because they don't have access to garden soil or space. Luckily, they can grow fresh, high-quality vegetables in the smaller spaces. A few containers and some specially-bred container varieties will produce a very attractive kitchen garden all summer, says Jeff Jabco, Delaware County Extension Agricultural Agent.

How small a container is large enough for growing tomatoes, lettuce, peppers or spinach? Container size has little relation to growth, except for some of the root crops like carrots and beets that penetrate and spread out. The biggest factor in small-space gardening is the moisture of small containers. Small containers will dry out much faster, and each plant must have a constant supply of moisture and nutrients to produce well.

The real secret to successful container gardening is frequent watering and good drainage of excess water. Prior to planting, make certain there are holes in the bottom or on the sides near the bottom of the container. Contrary to popular belief, a layer of gravel or other porous material in the bottom of the container does not improve drainage. In fact, this layer will actually shorten the soil column in the container and retard drainage. Simply cover the drain holes with a small piece of screen to hold in the soil mixture.

Container choice is limitless. Use your imagination. Garden centers feature a wide selection of wooden and plastic boxes, baskets and tubs. Some gardeners use old tires to create a raised bed for cucumbers or melons. (Old tires aren't the best looking container, but foliage will hide them in short time.) Plastic trash cans are ideal for tomatoes, and hanging baskets work well for leaf lettuce.

Another advantage of growing vegetables in containers is that you can move them for better sun exposure or more space. Moving the containers is easier if one of the many available lightweight soil mixes is used. Some brands come with added starter nutrients for your plants. A slow-release fertilizer can be incorporated into the mix to extend its plant-feeding qualities. These mixes can be used directly from the bag with no other additives needed. Most garden centers and plant supply outlets handle one or more brands.

Unless you are blessed with very good quality garden soil, avoid using straight soil in a container garden. It is too heavy, and may contain weed seed or disease organisms to hamper the crop. The drainage of soil in a container is much often poorer than what is found under natural conditions in the field. A wet root system in a container will spell disaster.

If you combine the correct plant type with the growing medium and container, you can't miss. Many seed companies have bred and developed compact varieties of plants suited for container growing. Look on the seed packet or ask the grower.

Elizabethtown Pig and Rabbit Club

The Elizabethtown Pig and Rabbit Club met at the Stevens Hill Church of the Brethren. Reports were given by Tony Martin, Frank Bentrem, Greg Shipe and Sheldon Heisey.

Eastern Berks 4-H Dairy Club

The Eastern Berks 4-H Dairy Club held its April meeting at Clayton and Becky Snyder's home. Dr. Linda Baker taked about reproductive problems. Sherri Zollers explained to junior members how to get a calf ready for a show.

New committees and chairmen were selected. The chairmen are Kevin Schlegel, display; Naomi Herbert, decoration; Mark Price, awards night; and Clayton Snyder, fun night.

Teen leaders for the year will be Heidi and Heather Schlegel, Sherri Zollers, Naomi Herbert, Mark Price and Ann Kopfer.

Demonstrations were given by Clayton Snyder and Sandy and Mark Moser.

The next meeting will be at the home of Stacey Meyers, Kempton, at 7:45 p.m. Junior members will have hoof trimming; senior members will discuss the birth process.

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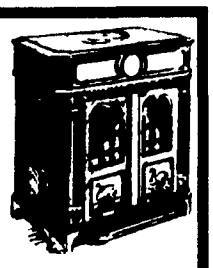

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Lower Dauphin FFA holds silver anniversary banquet

Proficiency winners named at the Lower Dauphin FFA banquet were from left, Sue Crist, swine; Sue Zerphey, floriculture; Lance Aldinger, public speaking; Roy Gesford, beef; and Tammy Baker, sheep. In center front is Sharon Huntzberger who received the proficiency award for dairy and diversified livestock.

HUMMELSTOWN — The Twenty-Fifth Annual Parent-Member Banquet of the Lower Dauphin Chapter of the Future Farmers of America was held recently in the Senior High School cafeteria with nearly 300 members and guests present.

The Star Greenhand award, presented to the outstanding first year FFA member, was given to Dawn Herr. Dawn is a member of the chapter's parliamentary procedure team and participated in the Dauphin County Greenhand Night Creed contest. Dawn maintains a sheep breeding agricultural project.

Lydee Cassel was presented with the Star Chapter Farmer award given to the outstanding student who has earned the Chapter Farmer degree. Lydee has served as the chapter's assistant secretary for the past two years and won a gold medal in state competition for her project book on horses.

Winning the Star Agribusinessman Award was Jay Fleck. Jay was earlier named Dauphin County's outstanding work experience project book award winner. Jay has been working on a dairy farm for the past two years.

Proficiency Awards, sponsored by the National FFA Foundation, were presented to the following members: Tammy Baker, sheep production; Sue Crist, swine production; Sharon Huntzberger, dairy production and diversified livestock production; Roy Gesford, beef production, Darren Weaver, crop production; Todd Long, poultry production; Sue Zerphey, floriculture; Dave Haldeman, extemporaneous public speaking; and Lance Aldinger, prepared public speaking.

John Frankford III, principal of Lower Dauphin High School, presented the DeKalb Agricultural Achievement Award to Jim Landvater, Jr., son of Mr. and Mrs. James Landvater, Sr. of Hershey. Jim is president of the Lower Dauphin chapter and has been quite active in parliamentary procedure and other judging contests. Jim has also been active as a beef showman, exhibiting his FFA project at many local fairs and shows.

Brian Hoerner, a senior at Lower Dauphin, was presented with the County Star Farmer award, given to the outstanding FFA student in Dauphin County. Brian is currently the vice-president of the Lower Dauphin chapter.

Jim Crist received the Citizenship Award. Jim is chapter sentinel and has also participated in several judging contests. Mr. John Cassel, a member of the Board of Education at Lower Dauphin, presented this award.

Scholarship pins, presented to members who made the honor roll two out of three marking periods this year, were given to Jim Landvater, Scott Aldinger, Tood Long, Lydee Cassel, Doug Bauder, and Tammy Baker.

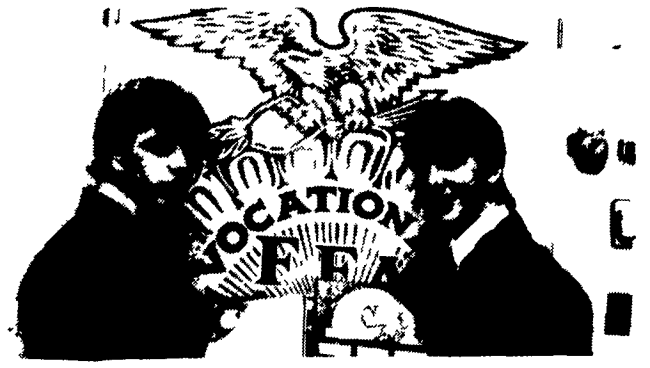
Jay Kopp, the very first FFA President at Lower Dauphin when the chapter was formed 25 years ago, presented retiring officer plaques to Jim Landvater, president; Brian Hoerner, vice-president; and Jim Crist, sentinel. These FFA officers are all graduating seniors.

Honorary membership in the chapter went to several adults who assisted the chapter during the past several years. Mr. and Mrs. Ralph Hoerner and Mr. and Mrs. James Landvater, Sr. received honorary degrees for helping their sons earn the Keystone Farmer degree. Sally Lookingbill was a chaperone for the chapter's trip to the national FFA Convention in Kansas City, and Cynthia Shaffer was the advisor for the chapter for four years prior to leaving Lower Dauphin last year. Both these adults also received the honorary degree.

In addition, David Coble of Elizabethtown was honored as the Alumni of the Year. Coble has assisted the chapter by setting up livestock judging practice sessions and by donating seed for the chapter's land laboratory.

Carl Herr, executive director of the Pennsylvania Advisory Council on Vocational Education and first FFA advisor for the Lower Dauphin chapter, was the Keynote Speaker for the evening. A slide series highlighting the past activities of the past 25 years and of the chapter's current year was also presented.

Brian Hoerner, left, was named Dauphin County Star Farmer. With him is Star Greenhand Dawn Herr.



Jim Crist, left, received the Outstanding Citizenship Award, and Jim Landvater, right, was presented with the DeKalb Award.

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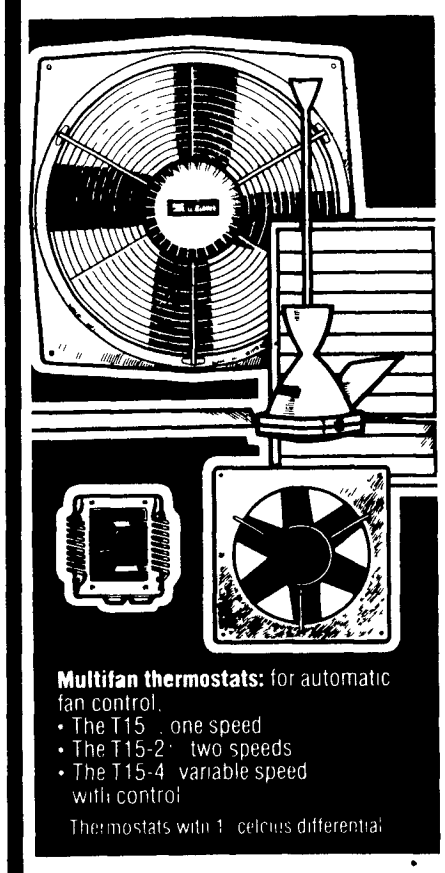

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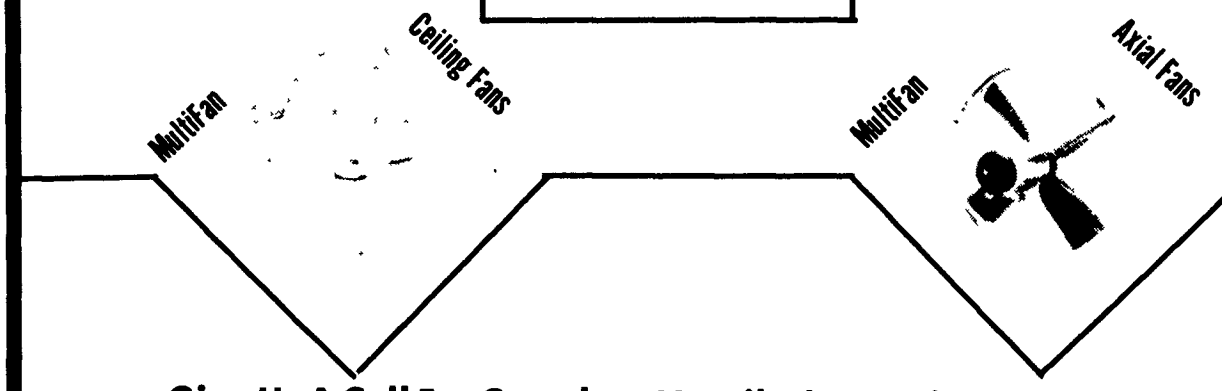

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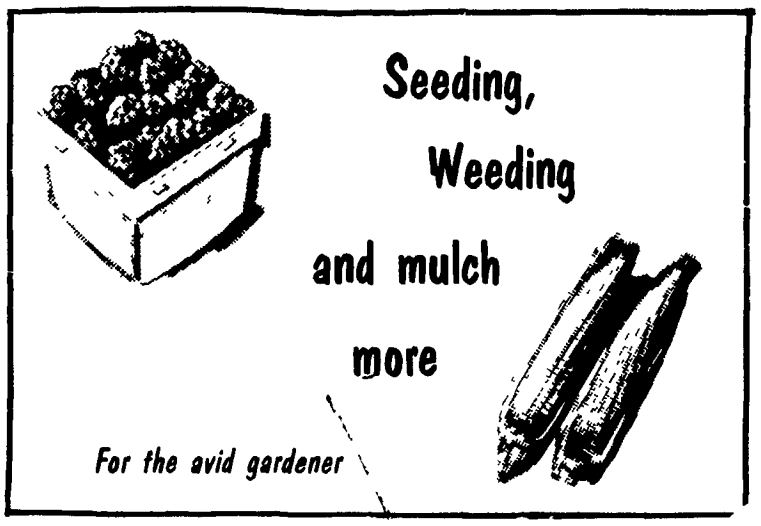
Carroll Co. Farm Museum gets set for Spring Farm Show

Judy Lynch practices shearing sheep in preparation for the Spring Farm Show at the Carroll County Farm Museum in Westminster, Md. on May 19 from 9 to 5 p.m.

Some 50 exhibitors will be providing exhibits, demonstrations and new products. Among the exhibitors will be the Maryland Sheep Breeders Association, whose exhibit will include a pen of lambs for children to see and pet. Champion sheep shearer George Pasley of Vernoa, NY will demonstrate his craft and Gwen Handler of Westminster will demonstrate spinning.

There will also be blacksmithing, pottery making, tin smithing and guided tours of the Farm Museum's furnished farm house.



As a general rule, keep the top about three to four inches narrower than the bottom when pruning hedges advises Jeff Jabco, Delaware County Cooperative Extension agricultural agent. Hedges in a pyramid shape grow better because more light can reach the sides of the hedge.

Early pruning is important to develop a dense hedge. When growing a deciduous hedge such as privet or barberry, cut each plant to within two to four inches of the ground immediately after planting. If you prune these stems severely, new branches will be forced to develop from near the roots, resulting in a denser hedge. Pinch or clip the tips of these branches two or three times during the growing season to stimulate side branching.

For evergreens such as yew or hemlock, pinch or clip the tips of branches immediately after planting. After the initial pinching, follow the recommendations for deciduous hedges. Broadleaf evergreen plants such as hollies should be pruned; remove about ½ of the current season's growth with hedge shears. As new branches develop, clip the tips of the new growth one or more times during the growing season.

By the third year, the planting will have taken on the characteristics of a hedge. Then you can trim to some definite form. Once a hedge has begun to take shape, you only need to clip it once or twice a year. But hedges used as edgings or those composed of fast-growing plants will require more frequent shearing in order to maintain a trim appearance.

Prune deciduous hedges that have outgrown their alloted space severely in early spring. Always prune overgrown hedges 10 to 12 inches below the desired size. By mid-summer they will have recovered and many need to be sheared once or twice to stimulate branching.

Never shear narrow leaf evergreens beyond the area of existing needles. Limit severe pruning of these plants to that area where needles are still firmly attached.

Select vitamin supplements with care

MEDIA – If you are a smoker, a dieter, an adolescent or a vegetarian, you may not be getting all the vitamins you need. USDA research indicates that a significant number of people, including infants, menstruating and pregnant women and the elderly often lack essential nutrients, especially vitamins A, C and B-6, calcium and iron. Greta C. Vairo, Extension Home Economist with the Penn State Extension Service offers the following suggestions for choosing a vitamin supplement.

• Choose a balanced multivitamin rather than one or two specific nutrients. Most people are deficient in more than one. An excess of one nutrient can disrupt the body's balance and alter nutrient requirements.

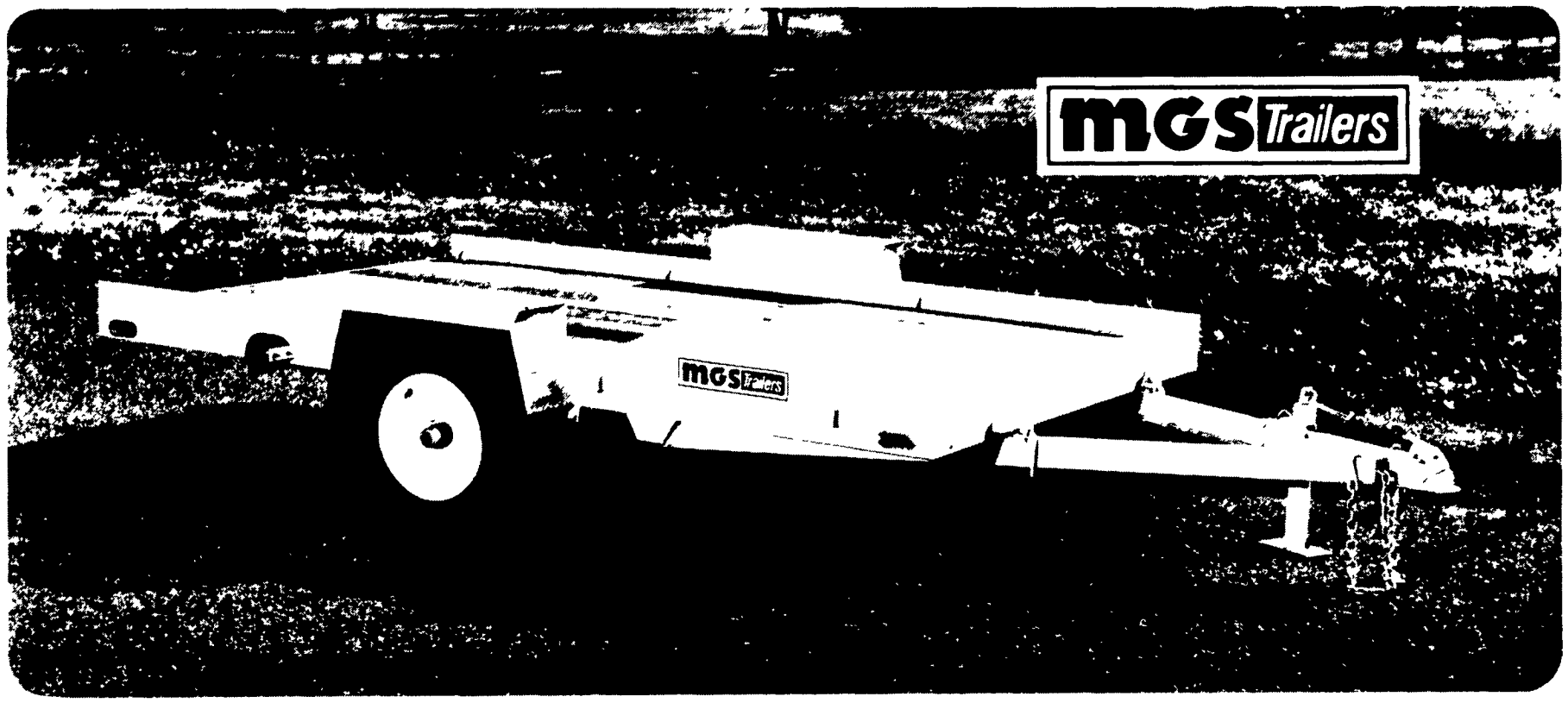
• Choose a supplement that contains about 100 percent of the RDA for recognized nutrients, in approximately equal proportions

• Choose a supplement with an expiration date. Some nutrients interact with others to lose their potency. Hot, humid environments such as bathrooms also contribute to this process.

• Avoid supplements with uncommon nutrients in very small amounts. These are of little value and increase vitamin cost.

• Avoid supplements that claim to be "natural," "organic," "therapeutic," "high potency," or for "stress." These are usually higher in cost and not worth the reported benefit.

• Avoid "natural" over "synthetic" vitamins These claims are meaningless; certain synthetic vitamins are more effective that the natural ones.



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Start spring cleaning with kitchen cupboards

EBENSBURG – It's spring cleaning time, and a good place to begin might well be the kitchen cupboards. Start with the canned-good shelves and be sure you get to some of the unused products. Most canned foods will keep well for a year or longer, but should be rotated for best quality. Long storage periods (over a year) may result in some loss of color, flavor, appearance and nutritive value, but the foods will remain wholesome if the can is still tightly sealed. Just make sure there are no bulges or leaks.

Next check the spice shelves. Spices stored on the home shelf for a year or more lose their effectiveness and flavor. So start your spring cleaning in the kitchen cupboards. Use up those products that have been stored for a long time and plan on buying some fresh spices for best flavors.

Remember that springtime is sprouting season for potatoes and onions. There's not too much you can do about it except to try and maintain proper storage and buy smaller amounts. For best results, store potatoes in a cool (45° to 50° F), dark, well-ventilated place. Avoid airtight containers. Potatoes can withstand more humidity than onions. Never store onions with potatoes. Onions draw moisture from potatoes, causing the onions to decay and the potatoes to shrivel.

Don't limit your enjoyment of springtime to the outdoors. Put springtime on your table with foods typical of spring. You should be able to find some greens to brighten up the color scheme. There's kale, collard, mustard, endive, escarole and dandelions.

For a real springtime treat, try fresh, tender asparagus or red, tangy rhubarb. Splurge a little with first-of-season golden yellow sweet corn from Florida. Top off a salad with new red-button radishes, zesty green onions and plump, vine-ripe tomatoes. In the dessert line, don't overlook peaking supplies of fresh pineapples or moderately priced strawberries.

When choosing tomatoes for that fresh spring salad you have a choice of three different kinds–vine-ripe, cello pack and hothouse.

Vine-ripe tomatoes are picked just as the color turns pink. Upon arrival in northern markets, they have the familiar red color.

Cello pack tomatoes, often referred to as tube, green wrap or re-pack, are picked in the mature green stage about two weeks before ripening. These tomatoes are ripened artificially in special ripening rooms usinf controlled temperatures and a ripening gas. Then they are packed in tubes and overwrapped.

Greenhouse or hothouse tomatoes are picked at the turning or pink stage. They can often be identified by the calyx or green stem that is often left on the tomato.

Mulch to control weeds

NEWARK, Del. – Mulching is a good way to reduce weed growth in the home garden. Besides protecting young plants from unwanted competition, this practice helps control soil temperature and retain soil moisture. During hot summer days, mulches help keep plant roots cool, thereby reducing wilt. Mulching is one way to reduce the incidence of blossom end rot on tomatoes–a condition caused mostly by erratic moisture levels.

Black plastic, old newspapers, leaves, pine needles and grass clippings are all good mulching materials, says Delaware State College extension home garden agent Dr. Willie Adams. Be careful of grass clippings, though. They could do more harm than good if the clippings contain crabgrass seeds.

"If you have lots of old newspapers, these can be effective when used in several layers," Adams says. "Or spread black plastic over the rows and poke holes through it for seeds or transplants. Be sure to remove the plastic at the end of the growing season."

Soak the soil well before applying any mulch. Otherwise plants may have trouble getting enough water.

On-farm threats to eyesight focus of new slide show

NEW YORK, NY – Headlines from some newspapers throughout America's farmlands: FARMER SUFFERS EYE INJURY WHILE BALING, BOY LOSES EYE IN FALL FROM TRACTOR and LEFT EYE INJURED BY CORN HEADERS.

According to a recent study, one out of every 20 farm-related accidents results in an eye injury. The National Society to Prevent Blindness says farmers take chances with their vision by failing to protect their eyes from work hazards.

To alert farmers, agricultural students, rural health professionals and others to the everyday–but sometimes overlooked–threats to eyesight while working on a farm, the society has developed an educational slide/tape program in conjunction with the Department of Agricultural Engineering at Purdue University.

Entitled "Eye Safety on the Farm," the 12-minute program depicts the potential for eye injuries from such common tasks as nailing, wood splitting, crop harvesting, applying fertilizers and pesticides, jump-starting dead vehicle batteries and using high pressure steam cleaners. In addition to raising safety consciousness, the presentation also offers a review of the various types of eye protection suitable to work on the farm.

"Eye Safety on the Farm" comes in a self-contained kit with 80 slides, an audio-cassette tape with audible and inaudible beeps, a script and a leader's guide.

Also included are copies of the Society's sticker, "First Aid for Eye Emergencies," and a yellow vinyl sticker with correct jump-start procedures for dead batteries.

"Eye Safety on the Farm" is available on loan or can be purchased for $80 from the National Society to Prevent Blindness, 79 Madison Avenue, New York, N.Y. 10016.

Cambria Co. home economist retires

EBENSBURG – Eunice Tibbott, Cambria County home economist for the Penn State Cooperative Extension Service and interim regional director of Extension's Southern Allegheny Region, recently retired.

Tibbott has been part of the Extension staff for 26 years, most recently serving as director of the extension region which includes Somerset, Blair, Huntingdon, Bedford and Fulton counties. In Cambria County she was responsible for the family living programs and the Expanded Foods and Nutrition Education Program. She initiated and directed a young families advisory council, offering participants new opportunities for growth and leadership development. She also worked to expand the 4-H program in the county.

In her family living programming, Tibbott emphasized foods and nutrition. "Improving the well-being of families was very satisfying for me," she says. "Extension work has enabled me to help people and to use my own creativity."

She conducted a wide range of educational programs, authored columns in county newspapers, and appeared on radio and TV programs including Extension 6 (WJAC) and Extension Minute (WTAJ). She focused on food selection, preservation and preparation.

A graduate of Kansas State University with a bachelor of science degree in home economics, Tibbott began work part time as a Cambria County home economist. Three years later she received a permanent appointment.

Tibbott is a member of the National and Pennsylvania Associations of Extension Home Economists and the American and Pennsylvania Home Economics Associations. She is a member of Epsilon Sigma Phi, extension honor society, and received its Distinguished Service Award in 1979.

Tibbott lives in Ebensburg with her husband, Richard. During her retirement, she plans to travel with her husband.

May designated "Egg Month"

HARRISBURG – Governor Thornburgh. joined by several members of the state's egg and poultry industries, has proclaimed May as Egg Month in Pennsylvania.

"The Keystone State takes pride in its egg industry. Strong, aggressive and a central component of our agricultural community, Pennsylvania's egg industry has rebounded from near economic disaster in 1983-84 to regain its position as a world leader in egg production," said the Governor, alluding to the Avian Influenza outbreak.

"Pennsylvania state government worked cooperatively with the egg industry and individual producers to eliminate avian influenza from our poultry flocks. We will continue to work with the Pennsylvania egg industry to ensure that all markets are reopened to their products, both at home and abroad," he added.

Participating in an official signing ceremony with the Governor were: Deputy State Agriculture Secretary E. Chester Heim; Bob Bucher, Hy-Cross Co.; Paul Sauder, president of the Pennsylvania Egg Marketing Association; Vernon Ross, Egg Marketing Specialist, Pennsylvania Department of Agriculture; Bob Park, Park Products, Inc. and past president of the American Egg Board; Tim Allwein, director of member services, Pennsylvania Poultry Federation; and Dick Moyer, president of the Pennsylvania Poultry Federation.

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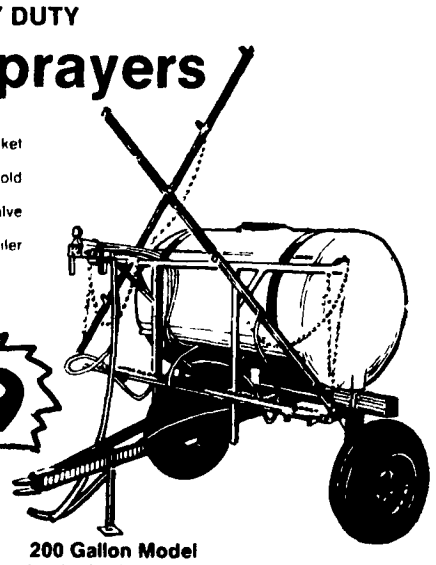

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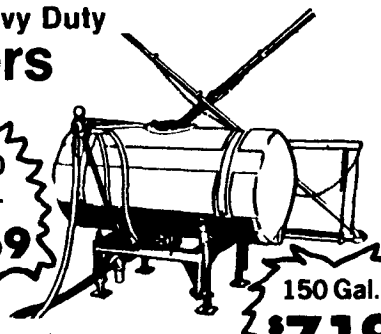

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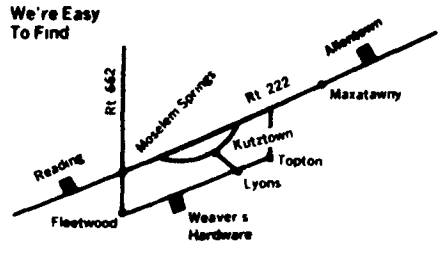

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ADA/DC sponsors Pizzamaker promotion

WILLIAMSPORT — Five percent of the domestic cheese market is now held by imitation products. The majority of these imitations have entered the Italian cheese area.

In order to maintain the market share for real cheese, the American Dairy Association and Dairy Council has developed a "REAL" Cheese Pizza Maker Campaign.

This campaign has been developed to help support local pizza store operators who use real, domestically produced mozzarella cheese in making their pizza.

There are over 100 pizza store owners in Pennsylvania participating in ADA/DC's program, including chains such as Domino's, Pizza Hut and Pudgie's.

Materials have been developed for the promotion to help operators inform their customers that they are using real cheese on their pizza.

Those who participate are given brightly colored decals which can be placed on the door, window or cash register of the store. The decals read, "We're a 'REAL' Cheese Pizza Maker. . . We use only 'REAL' cheese on our pizza."

They are also sent corresponding table tents that display mouthwatering pizza photography. There is no charge for the program.

The Pizzamaker program is part of ADA/DC's total effort to place dairy promotions in foodservice operations. By participating in the program, pizza makers can help increase sales by letting their customers know they are producing a quality product using only real ingredients.

ADA/DC is currently running a contest as an incentive for program participation. All pizza store owners who agree to sign into the program by June 1, will qualify for a chance to win one of four drawings for 200 lbs. of mozzarella cheese. The contest is also open to current participants who sign into the program again.

For further information, contact Pret Goslee at (315) 472-9143 or call tollfree in Pennsylvania at 1-800-HOT-MILK.

ADA/DC is a producer funded and directed Milk Promotion Agency serving Pennsylvania, New York and New Jersey.

Make plans for retirement now

NEWARK, Del. — just about everyone has those Monday mornings on the job when retirement seems like paradise on the horizon. How will you feel on the fifth Monday after retirement though? How about the fiftieth?

The happiest retirees, says extension home economist Debbie Amsden, are those who begin making careful plans five, 10 or even 20 years ahead of time. There are many aspects of retirement to consider: income, activities, housing, health and personal relationships. Postponing too many decisions until the transition takes place can cause a bottleneck in your daily life. You need to allow time to save money and set new goals so that you can look forward to the change with excitement.

Retirement is different from other life transitions, Amsden says, because you must take the initiative to shape it. There are no employers or teachers to define your daily activities. When you aren't going to work every day, you'll still need people with whom you can talk over daily events and who can help you keep a healthy perspective. So strive to maintain harmonious relationships with your spouse, friends and relatives; they will occupy more of your time after retirement.

In most cases, Amsden says, a wife's retirement improves the husband-wife relationship by reducing her conflicts between work and family. When women retire, they tend to exchange time at work for time with friends, crafts and volunteer efforts.

After men retire, however, they are often at odds with their wives. The couple may have different expectations as to how time should be spent together and separately. Couples who have had conflicts throughout their marriage will experience the most disharmony in retirement. This is a good reason to make an extra effort to resolve difficulties with your partner well before retirement.

The home economist advises taking a good look at what your standard of living will be in retirement. Are there uncertainties as to where you will live or with whom? Will you need to earn supplementary income? Do you know the extent of your medical insurance coverage? Are you currently saving enough money for retirement? These are questions which should be addressed early.

You'll certainly enjoy retirement more if you are in good health. Exercise, a nutritious and balanced diet, and regular physical examinations are your best long-term health insurance, Amsden says.

Whatever your retirement goals may be — travel, volunteer work, a rich home life — advance planning can help make them realities. Those Monday mornings in retirement could be great beginnings.

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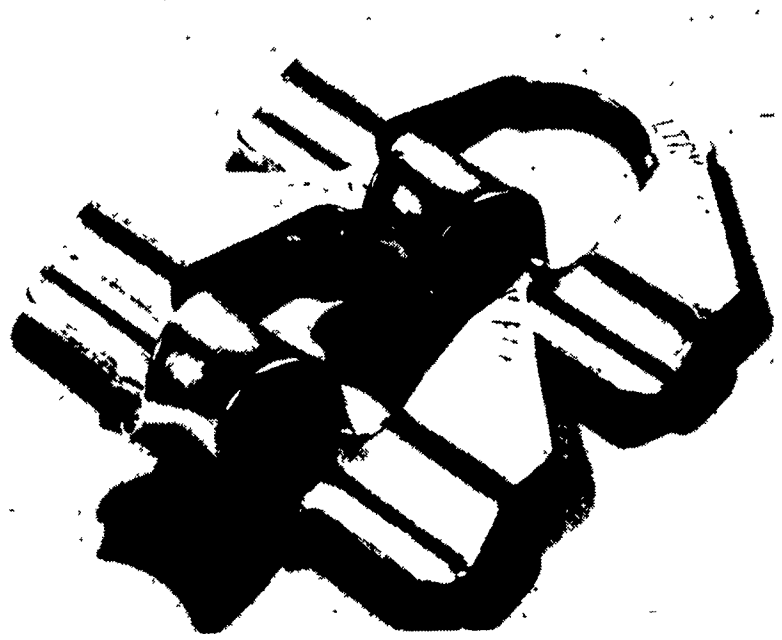

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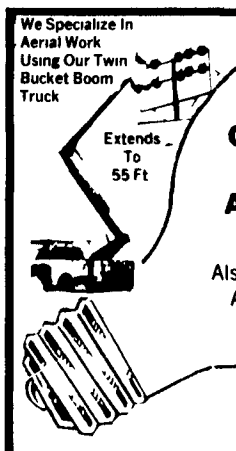

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Fast-growing Paulownia trees attract interest of Japanese traders

COLLEGE PARK, MD — Now that it's officially Spring , we can expect to hear fulsome reports soon of young men's fancies turning to thoughts of purchasing a tansu, geta, or serenading new found loves with a koto.

Tansu? Get, koto? Is this the latest wave in shushi fare, or Oriental aphrodisiacs?

They are neither, Peter Beckjord will soon tell you, but a Japanese wedding chest, a pair of ceremonial shoes, and a musical instrument similar to a zither, in that order.

Beckjord, a forester at the University of Maryland, is not exactly a student of Japanese culture. But his research for the university's Agricultural Experiment station places him in the unique position of helping to impact future balances of trade with the Japanese.

How? It all goes back to the tansu, geta and koto which, according to Beckjord, are constructed from a type of wood that, until now, most Americans have regarded as little more than a weed.

"Whether you call it Kiri, Princess tree, or Royal paulownia, Paulownia tomentosa is highly prized by the Japanese, and has been for thousands of years in their culture," says Beckjord.

Six years of forestry research by Beckjord and his colleagues show that, not only will Paulownia remain lucrative, but it can be grown and harvested in mass plantation settings.

"Single 15-year-old trees are worth hundreds of dollars and premium 40-60-year-old trees are worth thousands of dollars," Beckjord adds.

What makes Paulownia so valuable? For one thing, it is nearly as strong as other hardwoods, but very light. A fairly healthy person weighing 140 pounds could easily pick up a sawlog two feet in diameter and two feet long, and give it a pitch.

It also finishes beautifully, hence its value for furniture and musical instruments.

But best of all, it literally does grow like a weed. According to Beckjord, it is not uncommon for a Paulownia tree to grow 10-15 feet in its first year. After that, growth slows but remains at a near-supersonic pace for trees.

At one time, Japan raised all the Paulownia it needed. But by the turn of the century, nearly all Paulownias in Japan had succumbed to disease. Japan turned to China as its primary import source and in 1913 alone — the first year for which Beckjord has found records — the Japanese imported nearly 2 million broad feet from China.

How Paulownia came to this country is a story of random chance and a tribute to its hardiness. Early imports to this country of oriental goods in the mid-19th century were packed in crates and cushioned with — you guessed it — Paulownia seeds. After uncrating the valuables, importers simply discarded the seeds, and the rest is horticultural history.

By 1981, Japan was importing nearly 7 million board feet of Paulownia every year and, says Beckjord: "An increasing share of that is coming from the United States, and future imports by Japan are likely.

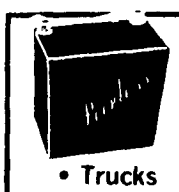
"In fact, Japanese companies now are negotiating with California landowners to establish thousand-acre plantations."

It was this trend of increasing export potential that prompted Beckjord to get involved in Paulownia research six years ago.

Since then, he has published guides to tree farming for

(Turn to Page B25)

Dr. Peter Beckjord, forestry researcher with the University of Maryland's Agricultural Experiment Station (UMAES), is shown here with one of 240 trees in a three-year-old plantation in Montgomery County, Md. The tree--Paulownia tomentosa, or Princess tree--is so highly valued by the Japanese that they import more than 7 million board feet of Paulownia wood each year. Single trees are worth up to several thousand dollars, depending on their age and quality.



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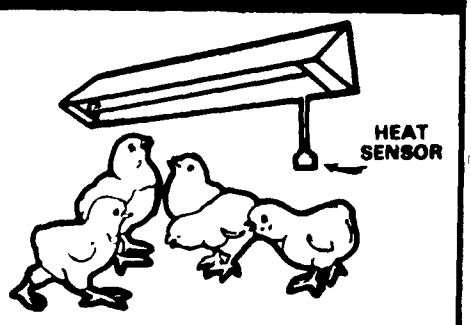

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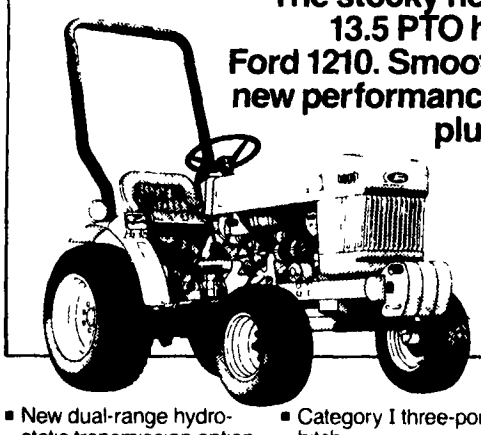

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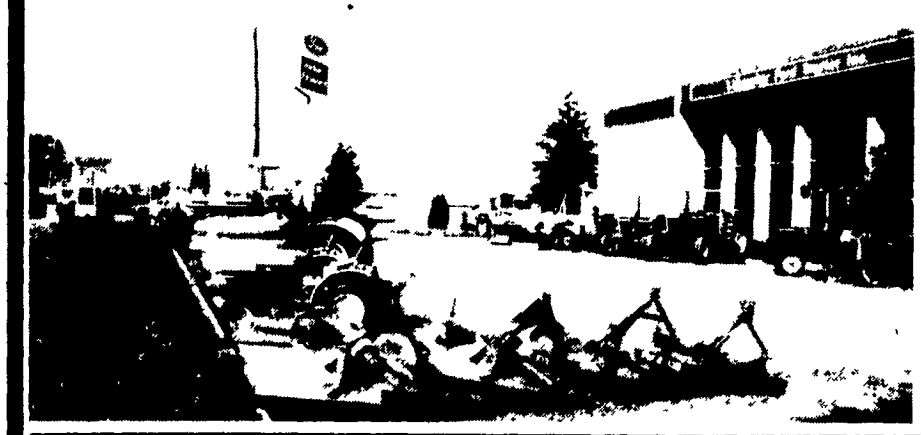

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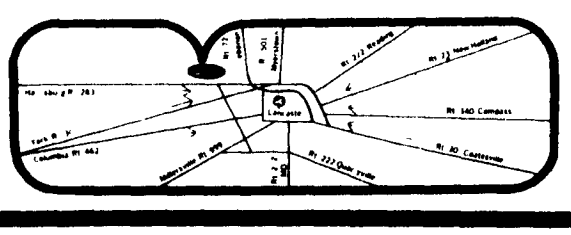

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Penn State profs to study pollution woes from manure

UNIVERSITY PARK, PA — With the help of a state-funded research team, changes in farming practices may lead to a reduction in Pennsylvania's contribution to the Chesapeake Bay's environmental decline.

Currently, the use of animal manure and management of farm soils are implicated in local groundwater contamination as well as pollution of the headwaters of the bay.

But a team of professors at Penn State has been awarded $321,000 from the state to work on a means to reduce Pennsylvania's contribution to the pollution.

The team, which includes experts in several disciplines within the University, is combating the environmental stresses through education, demonstration and research.

The biggest problems, says Dale E. Baker, professor of soil chemistry and coordinator of the team, are not just scientific. Economics and sociology play important roles in the time-honored methods farmers use to fertilize their fields.

"The farmers have been very rational in what they've been doing. They did what they did for economic reasons," he says. "They added to their animal units and that means added manure, which goes onto the fields."

That is where the pollution problem can begin. Some fields in the state's breadbasket are overloaded with phosphorus and nitrite nitrogen due to the generous application of animal wastes and commercial fertilizers.

"Generally, people in rural lands do want to protect the land," Dr. Baker says, but the dilemma for many farmers is what to do with the animal wastes if they cannot be used on their fields.

One of the education and demonstration team's goals is to answer that very question.

Dr. Baker is currently touting what he would like to see as a "premier progam," a means of ultimate disposal or utilization of the wastes in rich farm areas like Lancaster County.

A resource recovery and recycling center is his dream, and, he says, "I try to make dreams happen."

"The technology is there for fluidized bed incineration," he says. Organic wastes from homes, sewage plants and farms that are low in trace metals could be burned to generate steam and energy. The nutrient-rich ashes remaining could be spread on farm fields. The energy created by the incineration could help recover the costs of the process.

That dream is unlikely to come true unless private industry becomes involved with the efforts to reduce waste accumulation, he adds.

The researchers are also studying means of redistributing or marketing the excess manure generated from the livestock in that area, Dr. Baker says. Farmers in some areas can simply move it to those farms which do not have manure, but in southwestern Pennsylvania it is often difficult to find a farmer who does not have an excess himself.

Raymond Shipp, extension agronomist at the University, says that there are several alternatives for manure use.

Future uses could include burning manure to replace fossil fuels, transporting it to adjacent farm lands or forested areas as a fertilizer, processing and marketing it as a fertilizer/soil conditioner, using it as a feed in aquaculture or an animal feed supplement after broasting or ensiling.

Any alternatives must maximize farmers' returns because their profit margin returns are so low now, Dr. Shipp says.

Until any of these ideas become more realistic, the team is promoting some immediate measures to limit the potentially undesirable paths of nutrient movement in the soils, and are developing nutrient management strategies for the area.

In 1983, Dr. Baker surveyed soil samples from 22 Lancaster County farms after corn was planted in their fields, and again after the corn was harvested to determine just how much nitrogen was not used by the crop.

Some farmers were adding commercial fertilizer and animal manure when nitrogen was already overabundant in the fields, Dr. Baker says. The soil monitoring, which produced "a big impact" last year, is being conducted again this year, and will lead to lower manure rates and improved methods and timing of fertilization for individual farmers, he says.

Dr. Karen Mancl, assistant professor of agricultural engineering extension, is conducting water quality educational programs to explain the serious effects of local water quality which exceeds safe drinking water limits.

"Twenty-eight percent of the farm wells in a survey of southeastern Pennsylvania have over 10 parts per million of nitrate nitrogen, the limit for acceptable drinking water," says Dr. Mancl.

In addition, personnel are teaching farmers to keep careful records of what goes on each field and what comes off.

Les E. Lanyon, associate professor of soil fertility, is in charge of this aspect of the team's educational efforts.

"The whole concept of the farm as a nutrient system is new," Dr. Lanyon says, adding that research is being conducted on developing techniques and products to aid the farmers in making management decisions about the movement of nutrients on the farm and out the farm gate into the marketplace.

"It's important to remember that farmers are the managers of the land," he says. "We're trying to provide appropriate management tools for their use."

Despite the severity of the waste problem for Pennsylvania agriculture, Dr. Baker has hopes of eventually making Lancaster County a showcase for cleanup. Or, at least, he says, "I am more optimistic now than I was a year ago."

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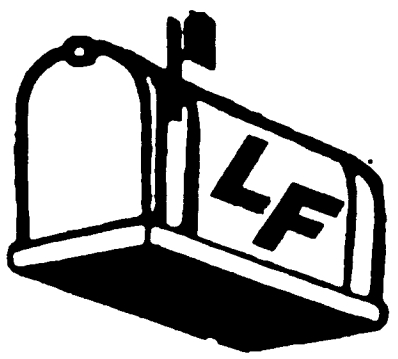

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Fast growing

(Continued from Page B24)

Paulownia and has set up through the university's Agricultural Experiment Station three major and 20 smaller experimental plantations in different parts of the state.

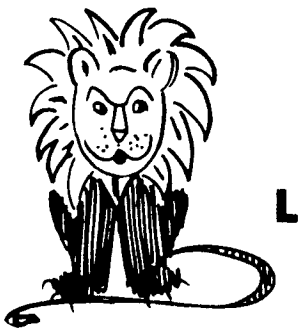
The return: More than 350 requests for information about raising Paulownia have poured into Beckjord's office from farmers, nurseries, timber companies, reclamation companies, and researchers.

Reclamation companies and the U.S. Forest Service, in particular, are interested in Paulownia as a fast way to rejuvenate lands decimated by strip mining.

Some of the more interesting research results that emerged from Beckjord's studies include his work with different types of fungi that enjoy a symbiotic relationship with Paulownia. These fungi — called endomychorrhizal fungi — promote growth of the seedlings while they extract food from the seedlings' waste products and minerals from the soil.

But what some might call a "super tree" has more than money-making possibilities for exporters.

According to Beckjord, right here in our own country Paulownia could become valuable to producers for furniture and wood pulp industries, and as a source of biomass energy — energy that is cheaply obtained from the breakdown of organic materials such as wood.



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Clean stoves work better

NEWARK, Del. — Reflector bowls are an important part of a stove, says University of Delaware extension home economist Sally Foulke. They are not just decorative, but help provide even cooking and easier cleanup as well as conserve energy by reflecting heat into the cooking pan.

Reflector bowls usually last a long time, but stains can spoil their looks. Blue or gold stains indicate overheating, Foulke explains. They result from using pans that are larger than the burners, or that have uneven bottoms which do not touch the surface units completely. This directs heat to the reflector bowl instead of to the bottom of the pan. The bowl gets too hot, and the blue or gold stains which result cannot be removed.

To avoid these stains, use care when cooking with woks, canners, steamers, and blanchers, as these items are often larger than the burners. When using these special utensils, start food cooking on a high setting, then lower the setting to finish cooking, Foulke says.

Brown stains are caused by spatters and spills that have not been wiped up soon enough. To clean or remove the reflectors, lift up or lift and pull out electric burners when they're turned off and cool. If left too long, food spills can become baked on and may be very difficult to remove.

Reflector bowls should be cleaned frequently. Porcelain bowls may be washed in an automatic dishwasher or placed upside down on an oven rack during a self-cleaning cycle. Chrome trim rings and bowls should be hand washed with other cooking utensils. Do not place chrome bowls in a self-cleaning oven or use commercial oven cleaner on them.

As for the top of the range, Foulke says to wipe up any spatters or spills as soon as possible, making sure not to touch a hot burner. Usually a soft cloth with warm soapy water is sufficient. For stubborn spots, use a nylon or plastic scouring pad. Do not allow food containing acids such as vinegar, tomato, lemon juice or milk to remain on an enamel surface as they can remove its glossy finish. Electric surface units (burners) do not require cleaning with soap and water; spatters or spills will simply burn off. Turn the burner on high until it gets cherry red, wait two minutes, and turn it off.

Order 4 milk $14.40 for June

ALEXANDRIA, Va. — Middle Atlantic Order Market Administrator Joseph D. Shine has announced a Class I milk price of $14.40 per hundredweight for June 1985. This price is down 33 cents from May and is 45 cents below last June's Class I price. The Class I price has declined $1.10 since January 1985 and is at the lowest level in five years.

Mr. Shine announced a Class II milk price of $11.55 per hundredweight for April 1985 and a butterfat differential of 16.3 cents for the month. The Class II price was down 37 cents from the previous month, while the butterfat differential increased one-tenth of a cent.

The June Class I price and the March Class II price are based on the April 1985 Minnesota-Wisconsin manufacturing milk price of $11.62 per hundredweight at a 3.5 percent butterfat content.

The USDA reported that the wholesale price of Grade A butter at Chicago for April was $1.4189 per pound and the nonfat dry milk price was $.8889 per pound, f.o.b. plants in the Chicago area.

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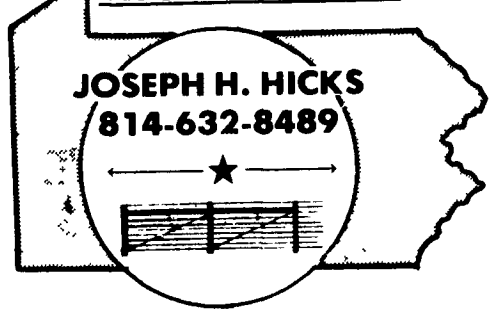

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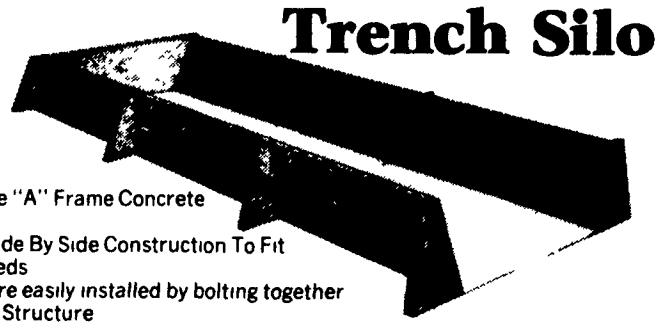

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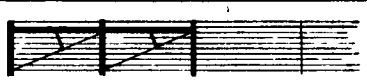

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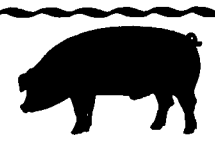

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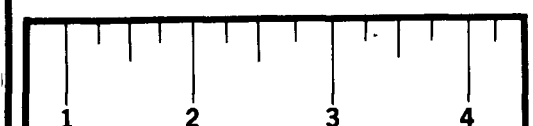

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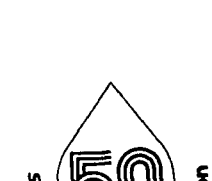

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14 POULTRY AND SUPPLIES

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For Sale- Sex-Sal link chicken, brown egg layer Lanc. Co. 215-445-4837.

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6,000 C-5X Hart cups, brand new, never used. 717-684-8330 or 717-684-3496.

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Washer and Grader, 30 cases per hr., used only 7 months. Will Sacrifice Price
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Factory-Built Swine Building
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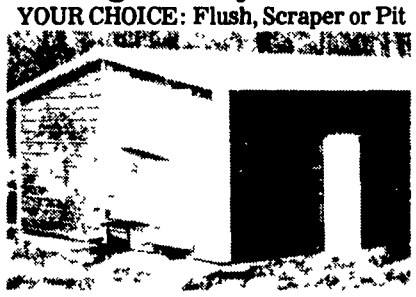

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* Chuckers
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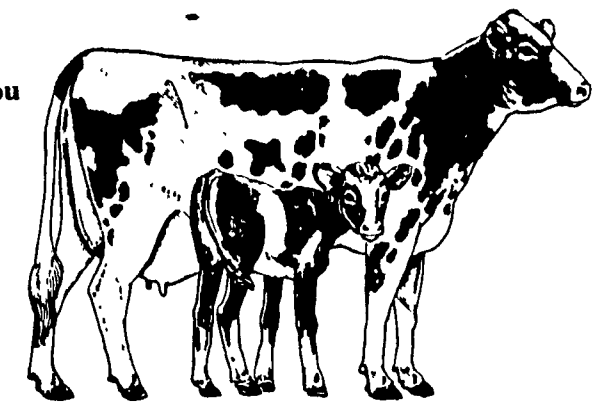

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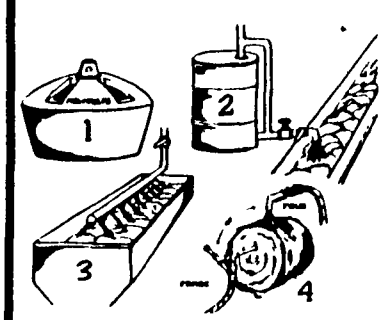

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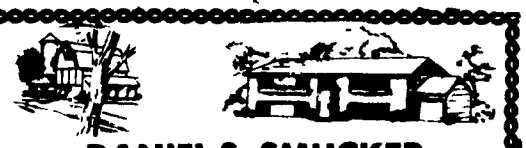

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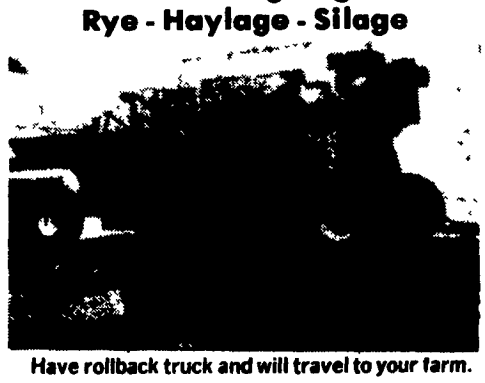

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Full-time milking position on diary, male or female, excellent hours, excellent housing, plus extras divided. 717-933-8622.

HELP WANTED: To install K-style seamless spouting, old-styling half round spouting. Experience preferred but no necessary. For more information 717-733-7160.

Help Wanted: Married person for milking cows and dairy farm work. Manheim area. Reply to: Lancaster Farming, P.O. Box 366 K-66, Lititz, Pa. 17543

Help Wanted: Young Christian worker needed for all aspects of farming on a dairy & poultry farm Immediate opening. 215-286-6388.

Herdsperson experienced in milking, AI breeding, record keeping, herd help. 100 cow operation. Good wages & housing for small family. After 6PM 703-788-4930.

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Part time work in dairy processing plant after school and Saturdays Apply in person, Kreider Dairy Farms, Restaurant, 2 miles south of Manheim, Rt. 72.

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Single person wanted to work on 45 cow dairy farm. Poughkeepsie, New York. Room and meals provided. 914-635-8199.

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Wanted Immediately: Herdsperson for southern Chester County Farm. 215-593-6094

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VACANCY ANNOUNCEMENT
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DAIRY HERD IMPROVEMENT ASSOCIATION

The Pennsylvania State University, College of Agriculture and the Pennsylvania Dairy Herd Improvement Association (DHIA) is reopening its search for a Director of DHIA Operations The duties require providing overall effective leadership and direction of the total DHIA program in the major areas of the Laboratory, Field, Office, Record Processing, and Special Services components of the operation.

The successful candidate will possess a Bachelor's degree, or equivalent, in Agriculture preferably in Dairy Science, plus over seven (7) and up to ten (10) years of management and supervisory experience in a multi-faceted agriculture or business operation Familiarity with computerized systems and electronic transfer of data and records is essential

The salary offered will commensurate with the candidate's qualifications A liberal University fringe benefits package including educational privileges and dependent grant-in-aid is also included

Please send resume and salary requirements by no later than June 15, 1985, to Office of Personnel and Support Services, Box LF 1, 233 Agricultural Administration Building, University Park, PA 16802

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Lancaster County
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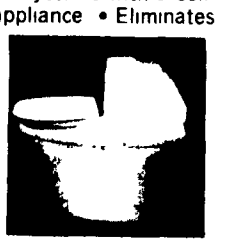

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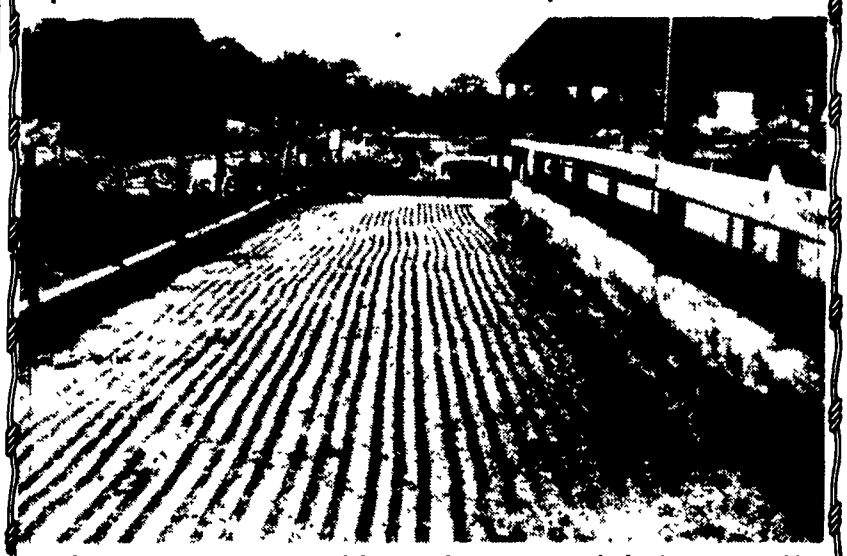

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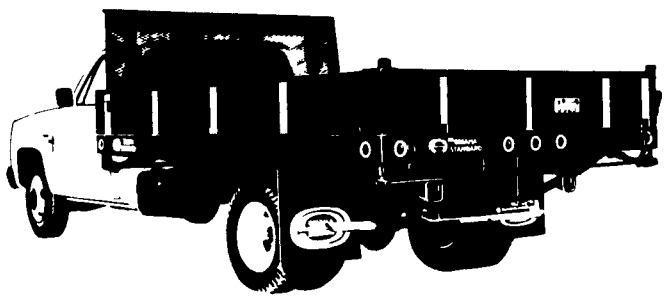

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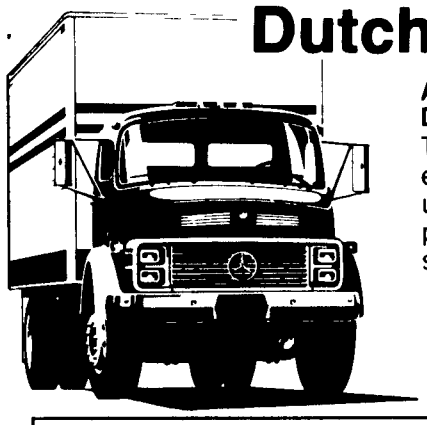

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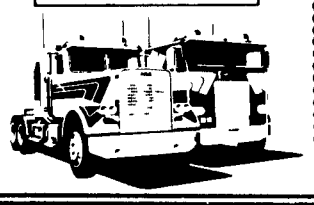

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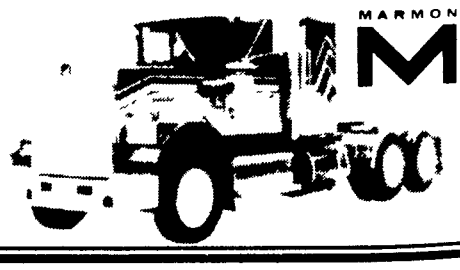

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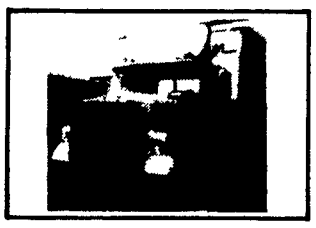
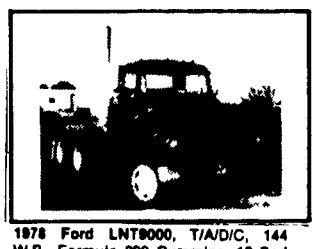
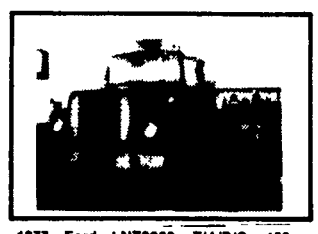


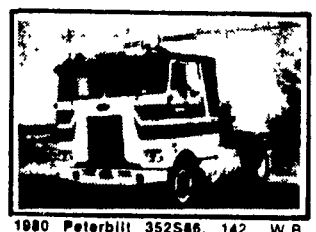
(2) 1979 Whites - Road Boss II, T/A/D/C, 143 W B , Formula 290 Cummins 10 Spd , P/S, 10 00x20 Tires, Air Shield WITH OR WITHOUT OVERHAUL



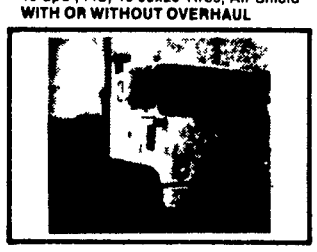
1978 Ford LNT9000, T/A/D/C, 144 W B , Formula 290 Cummins, 10 Spd , P/S, 10 00x20 Tires, NEW PAINT, ENGINE OVERHAULED!



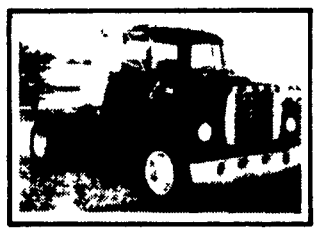
1977 Ford LNT9000, T/A/D/C, 150 W B , 8V 71 N Detroit (289 H P), 10 Spd Trans , P/S, A/C, 10 00x20 Tires, NEW PAINT , ENGINE RECENTLY OVERHAULED!



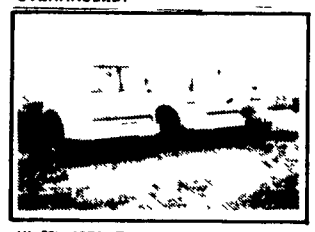
1980 Peterbilt 352S86, 142 W B 6V92TTA Detroit Eng 9 Spd Trans Air Ride Susp P/S A/C Air Slide 5th Wheel Radials Air Shield Heated Mirrors AM/FM, LOW MILEAGE!



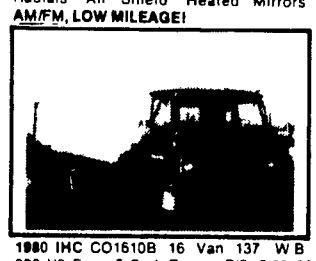
1979 Chevrolet D8L042, S/A/D/S, 142 W B Formula 290 Cummins, 10 Spd Trans P/B A/C 10 00x20 Tires 100 Gal Tanks



1978 Ford LN9000, S/A/D/C, 138 W B , 6 71 Detroit (238 H P) 10 Spd Trans P/S, 10 00x20 tires, ENGINE OVER HAULED, NEW PAINT



(1) 1978 Ford C7000, 24 Cab & Chassis, 27,500 GVW, CAT 3208 (200 H P) 5 Spd Trans , 2 Spd Rears P/S, Engine Overhauled



1980 IHC CO1610B 16 Van 137 W B 392 V8 Eng 5 Spd Trans P/S 9 00x20 Tires 16 Morgan Body Overhead Rear Curb & Roadside Doors Trans Rebuilt New Paint Engine Overhauled

OTHER MODELS AVAILABLE

- **1979 Ford LN7000** 20' Van w/Lifegate
- **1979 IHC S1854** 18'Van
- **(2) 1979 Ford LNT9000** Tandem Conventionals
- **(2) 1979 Freightliners** Tandem Sleepers
- **1984 Chevy Van CG11005**
- **(2) 1980 GMC J9L042** Single Axles
- **1979 Ford LN9000** Single Axle
- **1979 Chevrolet C7D042** 14' Van
- **1979 Chevrolet C7D042** 16' Van
- **1979 Ford LN7000** 24' Van w/Liftgate

All equipment offers no known defects and is available for inspection and road test Lifetime maintenance records are available for your review All equipment exceptionally clean & well maintained Our customers are completely satisfied with their fully reconditioned and recently inspected purchases

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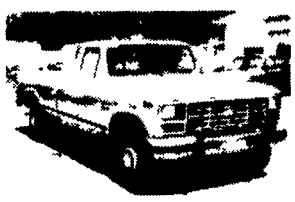
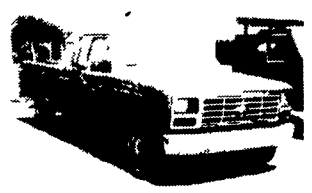
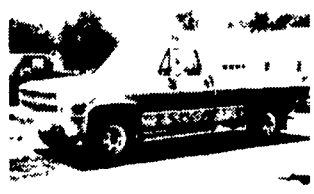


83 Ford F250 XLT Super Cab, Pickup 6 9 Diesel, Auto , PS, PB, Air Cruise, PW, DL AM-FM, Dual Tanks, 8800 GVW, Ex. Cond
$11,200



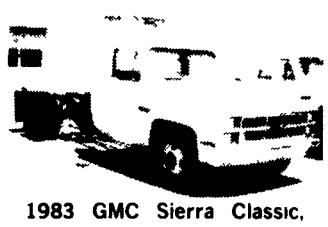
1984 Ford F150 Super Cab Pickup, 300 6-Cyl., 3 Speed, PS, PB, 17,000 Miles
$8,250



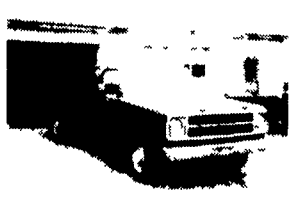
1982 Chevy Silverado C30, 350, 4 Speed, PS, PB, 9,000 GVW, 28,000 Miles, Like New
$8,250

1980 Chevy Scottsdale C30 4 Wheel Drive Crew Cab, 350 Auto, PS, PB, AM-FM Dual Tanks, 40,000 Local 1 Owner
$9,200

1983 Chevy HD C20, 350 4-Speed, PS, PB, Sliding Rear Window, 8600 GVW, 19,000 Miles
$8,500



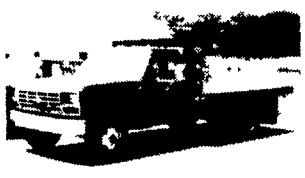
1983 GMC Sierra Classic, Dual Wheel Cab & Chassis, 454 4 Speed, PS, PB, Air, 10,000 GVW
$8,950



1980 Dodge D200 ¾-Ton Club Cab Pickup, 360 4-Speed PS, PB, Dual Tanks, 8500 GVW Trailering Package
$4,450

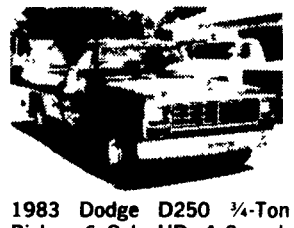
1983 Chevy Sport Van, 12 Pass., 350 Auto., PS, PB, 34,000 Miles, Ex. Cond.
$8,950

1984 Dodge ½-Ton 4x4, 6 Cyl., HD, 4-Speed, PS, PB, Radial Tires, 8,000 Miles
$8,250



1983 Ford F350 Dual Wheel, 12 Ft. Flat Bed, 351 4-Speed, PS, PB, Dual Tanks
$8,950

1983 Ford F250 ¾-Ton Pickup 300 6 Cyl., HD 4-Speed, PS, PB, 29,000 Miles
$7,400



1983 Dodge D250 ¾-Ton Pickup 6 Cyl., HD, 4 Speed, PS, PB, Air, AM-FM, Ex Cond
$6,950

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36 REAL ESTATE

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Wanted To Buy 3-10 acre farmette w/old home or same acreage suitable for building in Akron, Western CV school district area 717-859-2937

140 Acre Farm, 98 tillable, Juniata County Barn like new, 32 tie stalls, smaller barn. Double corn crib, shed, large 5 bedroom house Year round spring Stream through pasture. 717-527-4611 after 7 PM

155 acre dairy, Drumore Twp Charles H Forrey, broker 717-687-9361 or 717-464-5126

192 acre modern poultry farm 90,000 layer, 30,000 pullet capacity Fully automated Extra buildings. North Central Pa Owner Anxious 717-827-2561

1983 Zimmer, 2 bdr , 2 ba , 3 wooded acres secluded, landscaped, exc well and septic, some furniture Close to Poconos and 4 Lakes 717-386-2857

2 story brick house w/2-car garage and barn on 20 acres. $99,900 More acreage available 8 mls. SW of Carlisle. Cumberland Co., PA Phone Owner 717-528-8282 or 717-486-5089.

4 BR, 2½ baths, 2 car gar., family rm., brick construction, acre +, country lot, Mountville, Pa. area, perfect for retired farmer, 717-684-0147.

47 acre farm near Cooperstown, NY. 4 bedroom, 1½ bath home, 40 cow tie barn w/several pens. Also heifer barn, 2 silos Local hay available $82,500. 315-858-0438

67 Acre farm, approx. 60 acres tillable, 4 bedroom house, barn, sheds, silo, pond Will help finance For more info call: Robesonia, 215-693-5624, Berks Co., Pa

69 acre farm near Gettysburg. 2 bedroom farm house, pole shed, pond, private setting, 46 acres open, 23 acres wooded, $112,500 717-334-3293

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NEW YORK DAIRY FARM Western New York 150 free stalls, level alfalfa farm w/3 Harvestores, lagoon, 1 yr manure storage, 3 BR residence, 2nd house available 150 acres extra land to rent for appr. $20 per acre. Contact Willard Pengelly, Managing Broker, Harris Wilcos, Inc., Broker 716-494-1880

Northern Berks - Country living on 86 acres at foot of Blue Mountain, near Schartlesville, PA Brick 100 yr. old home Has living room with fireplace, dining room, kitchen, 4 bedrooms and bath. Outbuildings include stone-/frame bank barn, frame machinery shed and storage building. Call for details. 215-562-2227

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Northern Berks - Windsor Twp 13 acre farmette located at base of Blue Mountain. Includes 2½ story, 3 bedroom dwelling with stone summer house, barn and implement shed. $79,900 Call for details. 215-562-2227

Quiet Country Home, Bradford County, Susquehanna River Frontage, Sits High, 3-4 bedroom tri-level, recently remodeled kitchen and dining room, 2 car garage. $45,000 717-746-3687 after 3 p.m

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FOR RENT 23 acre meadow w/never failing fresh spring water stream. Lebanon Co 717-949-6842

FOR SALE BY OWNER= 7 room house dairy farm 58.5 acres: .2 mi W of Gap, along 741 A R Stoltzfus, RD, Hoover Rd., Kinzers, PA.

For Sale: 69 acre dairy farm Good barn, new roof, two silos, barn cleaner, bulk tank Heifer barn, machine shed, shop, storage buildings Two family house, good fertilized fields $100,000 Call after 4 PM 717-265-8590

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36 REAL ESTATE

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South of Quarryville, Fulton Twp New Listing Amish neighbors No 1 Farm 180 acres, 93 acres tillable, 20 acres meadow, 67 acres woodland, stream 8-room brick house, large barn
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Both farms have large fields near barn & are adjoining. Will sell as a whole or divided. Owner Fianancing 30% and 70% Price less than $2,200/acre

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Excellent Scenery
21 acres, $29,000; 30 acres, $39,000; 10 acres, $18,000; 107 acres, $90,000. West of Pine Grove, I-81, Rt. 443.
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18th Century Covered Bridge.
Must Be Moved
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155 acre Cumberland County farm with attractive owner financing to qualified buyer Bank barn in excellent condition, 10,000 bushel grain storage with dryer Stately 2 story brick colonial home Truly a showplace.
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150 acres, 110 tillable, Amish neighbors, remodeled home, new 16 stanchion dairy barn w/pipeline milkers & bulk tank $169,000 Call Peter.

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Modern 200 Sow farrow to finish, Harvestore, 100 acres, 2 homes, plus 17 acre apple & peach orchard 4-12 yrs. of age. $329,000. Owner financing at 10% interest Call Peter.

150 acres, 115 tillable, Harvestores, feed lot for 200 steers. $250,000. Call Peter

25 acres, trout stream, ½ woods, ½ tillable $1,500. Per acre. No money down Call Peter
98 acre campground Call Ralph
68 acre campground Call Peter

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100 acres, dairy barn, new tobacco barn, 90 tillable, nice level land, 3 to 4 bedroom home, excellent owner financing, 9% interest Low Down $179,000. Call Peter

90 acres, 85 nice level tillable, 3 bedroom home, barn $175,000 Owner financing. Call Ralph

Adams Co.-18 acre orchard, remodeled brick home, barns. Owner Financing. Orchard will pay mortgage. $139,000 Call Peter

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REDUCED PRICE
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(Must Be Sold!)
128 Acres in high state of productivity 64 tie stall dairy barn with pipeline milker, 1000 Ga tank, 4 silos all w/unloaders & bunk feeder. "Make no mistake, this farm will be sold." Good location East of Myerstown, Berks Co. Buildings all in good condition. **Financing Available to qualified buyer by the seller!** Settlement may be Fall of '85.

Quick possession Juniata Co. 18,000 Turkey capacity plus 60 acres for steers & hogs, 24 stall farrowing house, 5 year old farmhouse plus 2nd house as rental income This is an income farm priced at $275,000

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NEW YORK STATE
DAIRY FARM
270 acres, 155 tillable, 70 wooded, 50 pasture, 72 stall barn, 11 room house, mobile home w/2 adjoining rooms $150,000. $40,000 down. 8% On The Balance.
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10 acres farmette, 3 bedroom house and barn stream, good property to retire on
70 acre farm, good dwelling, excellent development possibilities
85 acre farm, new barn and new pole sheds stream, reduced for quick sale
95 acres rolling farm, house, barn, along black top road good Amish Farm
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134 acres of farm land, mostly flat, will parcel into smaller tracts
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BERKS COUNTY DAIRY

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Also Available.. **MODERN BEEF**, 150 acres, set up ready to go with modern equipment Call for more details!

WANTED: 300 ACRES IN LANCASTER OR YORK CO.

Must be good soil and can have large buildings This is for a client wanting to move in

FOR SALE:

Mid-Season - 97 Acre General Farm - level land with large frame bank barn 1 Brick farmhouse and 1 frame tenant house. Milk house and corn barn Only $110,000

22 Acre Farmette - 50% wooded with stream and cabin. 600' frontage on Rt 272 Frame house in good condition, bank barn = poor, 2 one story chicken houses Also nice 45x90 equipment shed Good retail produce farm

MAHLON K. OBERHOLTZER
REAL ESTATE AGENCY
717-392-1177 - Smoketown, Pa.

NEW YORK FARMS

(#653) 206 acres, 110 tillable, good laying land, balance pasture. Nice 4 BR home. 2-story dairy barn, 54 tie stalls, 735 gal. bulk tank, barn cleaner, 20x40 silo, heifer barn. Priced to sell. $128,000 $50,000 Down. Cattle available w/financing.

(#654) New Listing. 218 acres, 90 tillable, lays well, additional 150 acres rented for $10/acre, 2-story barn, 62 tie stalls, enclosed manure room, heated shop, heifer facility, 2 silos, bulk tank, barn cleaner, Mow conveyor, pipeline milking. This is a showplace farm w/good financing $165,000

We have over 100 farms listed from 100 acres to 1,000 acres dairy and cash crop. FREE LIST

Call Dick Posson at
POSSON REALTY
Norwich, NY
607-334-9727

WANTED TO BUY

Small farm w/good buildings on a hard surface road Prefer buildings fixed for hogs or convertible to hog operation

Must be located within 75 mile radius of Harrisburg, PA

John Strawbridge
301-996-2022

OPERATING DAIRY SHOWPLACE 208 acre Dairy Main house is 2 sty brick with 4 bdrms Tenant house has 3 bdrms Main barn has 69 stanchion S S pipeline, 500 gal S S tank room for hay storage New heifer barn, shop, corn crib, 3 silos Ideal family farm priced at $199,500 Owner financing available to qualified buyer at below bank rates Additional land available for long term lease W-882

COUNTRY STORE. Located near Tioga Hammond Dam and Hills Creek State Park Propane setup, gasoline & sporting goods, also repair bay Has many uses and is priced right with owner financing $68,900 W-940

Century 21

THE REAL ESTATERS OF WELLSBORO
East Ave., Wellsboro, PA 16901
717-724-5921
Call or write for free list.

LANCASTER COUNTY Prices on these 2 farms greatly reduced

Columbia 105 acres veal hog & beef operation very nice brick house

Bainbridge 93 acres dairy very nice log home

CUMBERLAND COUNTY - New Listing

97 acre dairy farm Plus 200 head hog fattening barn

Showplace 56 acres very good buildings stream & woods 15 acres tillable $97 500

206 acres level #1 limestone soil nice brick farmhouse Morton implement shed bank barn 3 car garage

LEBANON COUNTY

172 acres beautiful piece of ground stretches as far as you can see Take a look you will like this farm Priced Right

Call today on these and many other farms!!!

FARM & HOME REAL ESTATE
East Petersburg, PA
717-291-2270

Sylvester Baum	Harlan Keener
Carlisle	Willow Street
717-776-3967	717-464-2669

Broker - J Irvin Denlinger
717-898-8962

FOR SALE

Established agriculture business located in the heart of Morrison Cove, two miles south of Martinsburg, Penn. Consisting of 1.6 acres of ground, which includes 3 warehouses and a garage of over 19,000 sq. ft. Complete Liquid and Suspension Fertilizer facilities with storage capacity of 80,000 gallons. Custom application equipment consists of 4 truck sprayers, 1 Hi-Boy Clearance sprayer, nurse truck, plus other equipment. Excellent location and facilities.

Phone 814-793-2118

VIRGINIA FARM LAND FOR SALE

Conveniently located in the Shenandoah Valley near Staunton and Lexington. We presently have tracts of land from 60 acres to 500 acres. If you are serious about buying farmland in the Valley area, call and let us know your needs.

Mint Spring Realty Co.
1-703-337-4229

WIMPLE ASSOCIATES

CENTRAL NEW YORK

NEAR AMISH SETTLEMENT: 377 acres 250 tillable New 2" pipeline in 54 stall barn with Patz cleaner and new extension for heifers Two story home, 4 bedrooms INCLUDES 40 milkers, 26 YS 4 tractors and all equipment for $220,000 CALL WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

ST. LAWRENCE VALLEY

FARMERS WITH BAD BACKS OR KNEES will love this 63 stanchion barn with new automatic parlor, 20x60 and 16x40 silos with unloaders, new cleaner 177 acres good alfalfa land, 140 tillable Farm home has 9 rooms, new oil furnace $125,000 CALL WIMPLE'S GOUVERNEUR OFFICE 315-287-4163

SOUTHERN NEW YORK

"BEST BUY IN SOUTHERN NEW YORK" 300 acres of nearly stone free alfalfa land only 6 miles from the Penn line has 156 acres tilalble, 68 pasture and 75 acres of good woods Very good 39 stall barn has cleaner, 14x50 and 18x50 unloading silos, room for 10 more stalls 30x60 tool barn Very good split level home Cattle/machinery available Hurry on this one! $98 000 For appt call 607 792 3355 or WIMPLE'S SLOANSVILLE OFFICE 518 875 6355

HUNTINGDON CO.

185 acres, recently timbered, nice stream through the middle, not steep, numerous good lodge locations Borders state game lands. #99 for over 1 mi Tract is accessible from state road by a wide shale base right of way. $333/acre in bulk. A one time offer, don't miss this opportunity!!

SO. HUNTINGDON CO. FARMS

1 mi. W of Saltillo - House, barn, 95 acres. 30 acres tillable, balance timber Joins state game land - $65,000

Along Aughwick Creek - Ranch Home, barn, 124 acres. 45 acres tillable, good bottom land. Balance timber- $85,000

Near Orbisonia - House, barn, 112 acres, 25 tillable, balance pasture & woodland - $80,000

Century 21
Don Rapp, Realtor
Rt. 22, Huntingdon, PA 16652
814-643-1004
Ken Lane
814-448-3239

PENNA FARMS

FRANKLIN CO.

New Listing 155 acre modern dairy limestone soil 112 free stall barn w/feeder double 6 parlor w/six weigh jars 3 silos (2 sealed) Schwartz 680S mixer 2 bank barns 2 story frame dwelling (4 bedrooms)

CUMBERLAND CO.

186 acre general farm, 150 acres crop land mostly level to rolling productive murrill & duffield soil large bank barn, wire cribs metal grain storage w/fan, silo DWELLING is in need of repair Frontage along Yellwo Breeches Creek & approximately 8 000 feet along 2 township roads Located SW of Carlisle

95 Acre Horse & Beef Farm sandstone soil (Walnut Bottom Area) 17 acres wooded well built 16 stall horse barn ground floor barn 6 bay implement storage 2 story Colonial brick and aluminum dwelling This property is secluded and adjacent to mountain for riding

72 acre general, pole barn 4 bedroom brick dwelling nice road frontage

38 Acre Farmette, 20 crop acres, 36 tie stalls, 40x80 pole shed, 40x72 heifer building w/lagoon, insulated workshop, 4-bedroom frame dwelling, pond & road frontage

Charles Wenger, GRI 263-0945
George Ebener 249-4979
Wilbert Diehl 776-7707

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa
Ph (717) 243-6195

REDUCED. Owner anxious Unique log home 3 bedrooms total electric woodstove & fireplace Many extras 15 secluded acres $99 000 (D418)

BUILDING SITE 7 acres rural but in Ulysses boro Great views frontage on two roads $9 900 (D427)

FADED LADY Large older home in Ulysses ideal for camp or home All utilities Corner lot $18,500 (D426)

DEERFIELD CAMP OR HOME mobile w/addition situated on 2 acres also garage, good hunting, close to new dams $18,500 (D318)

MLS MEMBER - CALL FOR FREE LISTS
ERA-Homestead Realty
168 W. Main St.
Westfield, PA 16950
814/367-2222

LOG HOME, idyllic setting in the pines, yet room for garden Excellent condition, covered deck, storage shed, all appliances & furnishings Low taxes $53,450 (W931)

DEAD-END road 5 yr old rancher, finished down as well Heavy insulation & economical woodstove 2+ ac $51,000 (W930)

14 AC. RETREAT, new home, full bsmn't, never lived in, 3 BR rancher on dead end road Reduced & Sacrificing at $39,500 20% down, 10% interest, 20 years (W852)

2 FAMILY (or second unit for parents etc) 18 5 acres, 18'x20' barn 3 BR up, 2 BR dn deck sunroom, 2 car garage Everything reduced $62,500 (W854)

LUMBER OUTLET on Rt 15 Good condition, $82 900 (W856)

CAMP wooded setting near State Land & Park $21 500 (W866)

DAIRY FARM, 100 ac 76 stanchions, 3 BR home Call $130,000 (W902)

13 AC retreat, so exposure, private woods/open $11,400 $1 400 dn, 12%, 7 yrs $174 28 (W904)

FREE LISTS
ERA-Homestead Realty
23 E. Ave.
Wellsboro, PA 16901
717/724-7161

FAMILY HOME in college town 4 BR, 2 baths heated garage/workshop heavy insulation $47 900 (M1689)

CAMP near everything easy access, reduced to $21 500 (M1642)

2 5 AC WOODED lot near State Land & Park Private $1,700 down $3,000 mortgage, 12% interest, 3 5 yrs $4,700 total (M1582)

56 AC all woods roadway into property $37 500 Terms (M1594)

30 AC. FARMETTE, refurbished 4 BR, 2 bath, farmhouse w/garage, hard road yet private $47,500 Taxes only $400/yr (M1629)

FREE LISTS
ERA-Homestead Realty
267 S. Main St.
Mansfield, PA 16933
717/662-3287

ERA

36 REAL ESTATE

SUSQUEHANNA CO. DAIRY OPERATION FOR SALE

280 acres w/150 acres tillable top production 75 milk cows w/50 heifers Top line latest farm equipment w/4 JD tractors from 70 HP to 125 3 silos w/un loaders pipeline w/1 000 gal bulk tank, new barn cleaner All buildings in top condi tion 80 ton feed proces sor Owner will carry half the mortgage at 10%

717-278-3637

COME TO LEWIS COUNTY N.Y. WHERE LAND PRICES ARE STILL FAIR AND WORK IS PLENTY FULL

219 acre dairy farm complete with cattle machinery only 179,500.00

17 acre MINI farm ideal for heifers or beef only 49,500.00

94 acre maple Orchard complete with all sugar equipment only 240.00 per acre plus equipment also 200 gallon syrup at 15. per gallon

Two investment parcel's 1—170 acres other 129 acres going at 175.00 per acre

For more information call or write

Czepiel Real Estate
Box 351
Castorland, NY 13620
Phone 315-346-1265

Circa 1840 Estate

Classic Greek Revival home on 4.6 acres along scenic river edge on Route 14 - 4 miles North of NYS Thruway exit 42. Formal rooms, large country kitchen, 4 bedrooms, 4 fireplaces, colonial barns and out buildings. Move in condition. Ideal for B & B operation. Antique gallery or traditional country living!

Duane E. Gansz, CAI

Lyons, N Y 14489
315-946-6241

AUCTION GANSZ REALTY

Auctioneer
Appraiser
Real Estate Broker

MEMBER: NYSAA • CAI • NAA • OVER 25 YEARS PROFESSIONAL AUCTION SERVICE

CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND & CABINS

We presently have one of the largest selections of farms, farmettes, land and cabins available in central Pennsylvania We have over 50 exclusive listings

Our Farm and Land Department would be happy to mail a free, detailed farm and farmette list or land and cabin list to you

See the May 4 and May 18 issues for a complete farm inventory.

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1705
Don Myers (814) 422 8111
Mel Rockey (814) 466-6688
(Bedford) Richard D Reed (814) 839-4271
(Huntingdon) Rachel Port (814) 669-4194

KISSINGER LEONARD & BROWER

Frederick J Kissinger, Realtor
William H Leonard Realtor
Ralph F Brower, Realtor
245 S Allen St ,
State College, PA 16801
(814) 234-4000

BERKS COUNTY DAIRY FARM

153 ACRES, 110 Tillable, 51 Tie Stalls, Heifer Facilities, Concrete Bunk Feed Lot, Tool and Repair Shop, 14x60 Concrete Stave, 20x60 Harvestore, 2½ Story Home w/Aluminum Siding

RICH BRANDT FARM REAL ESTATE
2230 5th St. Highway, Reading, PA 19605
(717) 274-3622 - office - (215) 378-1122

FARM FOR SALE BY OWNER

47 more or less acres of good limestone soil, road fronatage. Ranch-style house built in 1975, 4 bedrooms, 1 car garage, large rec room, 2 baths, roomy kitchen.

40x72' block shop implement shed combination built 1972, bank barn, 50x72, remodeled under barn to finish 360 head of hogs w/large manure pit, 7 yrs. old, 43x200-10,000 bird chicken house, easily converted to hog facility, built 1970. Mixed mill feed factory, 18,000 bu. grain storage w/drying facility, automatic emergency stand-by power, very good well.

Located Franklin Co near Waynesboro, PA

Inspection of Property by Appointment
Ofer by Sealed bids

Bids will be open **June 1, 1985 at 10 AM Sharp** at property. 10% hand money upon acceptance of selling bid.

We reserve the right to reject any or all bids

Owner: Glenn Hade
10355 Five Forks Rd.
Waynesboro, PA 17268
717-762-4985

SALE OF FARM BY UNITED STATES GOVERNMENT. Farm containing 107 acres (more or less) + 88 acres of cropland, + 17 acres of pasture, the balance is in farmstead and roads 40 cow stan chion bank barn, set up now for Amish There is a 14x60 concrete stave silo, milk house with a Milk Tank, a barn addition built in 1975, 34x50' for heifer raising 2-story dwelling with 3 bedrooms full basement, all hardwood floors, and oil fired forced hot air Formerly owned by Henry E and Martha Yoder, located in Township of Lewis County of Northumberland, PA 2 miles northeast from Turbotville, off PA Routes 54 44

BID DEPOSIT: Bid must be accomplished by cash (sent at bidder's risk), certified check, cashier's check postal money order bank money order or personal check payable to the Treasurer of the United States, for at least 5% of the total bid

RATES AND TERMS: Cash or terms of not less than a 5% down payment with the remaining balance amortized over a period not to exceed 25 years at ½% over the current operating loan in terest rate, which is presently 10¼%

TERMS OF SALE: Contact County Supervisor Farmers Home Administration 1127 Old Berwick Road, Bloomsburg, PA 17815, for appointment to inspect the farm Sealed bids are invited and will be accepted until 10 00 a m EDST May 17 1985 at the Farmers Home Administration 1127 Old Berwick Road Bloomsburg, PA and will be opened publicly at 9 00 a m EDST on May 20 1985, at the Farmers Home Administration P O Box 252 Federal Building, Lewisburg PA 17837 The Government reserves the right to reject any or all bids This farm will be sold without regard to race color religion sex, age national origin or marital status This property is being sold subject to the Environmental Regulations of the USDA

For further information and bid forms the in formation may be obtained at the Farmers Home Administration 1127 Old Berwick Road Bloom sburg, PA 17815 phone 717 784 9033

For Sale By Owner
Berks County Dairy Farm, 4 Miles North of Myerstown on Route 501
330 Acres — Lots of Road Frontage — Less than $2,000 per acre.

#1 — Dairy barn with 52 stanchions, barn cleaner, 20x60 silo, milk tank, 3 bedroom house.
#2 — 2 apartment house, big loafing barn.

Land All Joins — Can be sold separately.

Stump Acres
York County
717-792-3216

NOTICE OF SALE

Notice is hereby given that the United States of America acting through the Farmers Home Ad ministration will sell by sealed bids the following described property

(1) 100 Acre General Farm located in the Borough of Ohioville Beaver County, Pennsylvania The farm consists of 70 acres good tillable cropland 20 acres of woodland, 10 acres of pasture and farm stead The dwelling is a 1176 square feet modern ranch built new in 1970 Farm buildings are a small two story bank barn having attached a 40x45 frame equipment shed, a 1600 square feet hog finishing barn Inspection of the farm can be arranged by contacting the Farmers Home Ad ministration County Office at the address listed below

The property will be sold by sealed bid Bid must be accompanied by cash (sent at bidders risk), certified check cashier's check, postal money order or personal check, payable to the Treasurer of the United States The bid must be for at least 5 percent of the total bid

The property is being offered for sale for cash or for qualified buyers at terms of not less than a 5 percent downpayment with the remaining balance amortized over a period not to exceed 25 years at an interest rate of ½ percent over the interest rate charged for Operating Loans (currently 10 25% subject to change)

Sealed bids are invited and will be accepted until 12 30 p m EDST May 28, 1985 at the FmHA County Office 106 Thompson Road Butler PA 16001 and will be opened publicly at 1 00 p m the same date and place The government reserves the right to reject any or all bids This property will be sold without regard to race religion color sex age national origin or marital status The FmHA will sell this property in accordance with all En vironmental laws regulations and applicable

For further information and bid forms contact FmHA at 106 Thompson Road Butler PA 16001 Telephone No (412) 282-4450

In the event FmHA finances the purchase of the farm any changes in land use would be subject to FmHA environmental regulations

SALE OF FARM BY UNITED STATES GOVERNMENT Farm containing 129 acres (more or less) + 100 acres of cropland + 23 acres of standing timber + 5 acres of pasture with fences the balance is in farmstead and roads The 60 cow free stall barn was built in 1979 Bank barn has a 5 cow stanchion milking facility with heifer raising facilities and plenty of hay storage overhead There is a Madison 16x60 concrete stave silo milk house with a Milk Tank a heifer barn an im plement shed 30x54 built in 1976 2 story dwelling with 3 bedrooms 1½ baths full basement all hardwood floors and oil fired forced hot water The house is in fair condition Formerly owned by Mahlon L Warfel Located in Township of Lower Mahanoy County of Northumberland PA 6 miles south from Dalmatia off PA Route 147 25 miles north of Harrisburg outside the Village of Malta

BID DEPOSIT: Bid must be accomplished by cash (sent at bidder's risk) certified check cashier s check postal money order bank money order or personal check payable to the Treasurer of the United States for at least 5% of the total bid

RATES AND TERMS: Cash or terms of not less than a 5% down payment with the remaining balance amortized over a period not to exceed 25 years at ½% over the current operating loan in terest rate, which is presently at 10¼%

TERMS OF SALE: Contact County Supervisor Farmers Home Administration 1127 Old Berwick Road Bloomsburg, PA 17815 for appointment to inspect the farm Sealed bids are invited and will be accepted until 10 00 a m EDST May 17 1985 at the Farmers Home Administration 1127 Old Berwick Road Bloomsburg PA 17815 and will be opened publicly at 10 00 a m EDST on May 20 1985 at the Farmers Home Administration P O Box 252 Federal Building Lewisburg PA 17837 The Government reserves the right to reject any or all bids This farm will be sold without regard to race color religion sex age national origin or marital status This property is being sold subject to the Environmental Regulations of the USDA

For further information and bid forms information may be obtained at the Farmers Home Ad ministration 1127 Old Berwick Road Bloomsburg PA 17815 phone 717 784 9033

SELLING YOUR FARM?

Auction or Brokerage?

It is your option when you call us. We will explain both plans and then you choose. No obligation.

Watch For Full Display Ad Twice A Month.

For all your REAL ESTATE needs in any COUNTY call us we're the REAL ESTATE FARM professionals

HUNTINGDON COUNTY CALL LEW AND KAY BROWN, 814-447-5568

LANCASTER COUNTY CALL PAT KAUFFMAN 717-284-4340 or SANDY LEAMAN 569-4264

PERRY, FRANKLIN, JUNIATA & HUNTINGDON COUNTIES CALL NEIL WINGENROTH (717) 536-3236

SNYDER & UNION CO. CALL LEROY HIBBS AT 837-0265

NORTHUMBERLAND, LYCOMING, MONTOUR & BRADFORD COUNTIES, CALL JOHN BOMBERGER, 649-5861

NORTHUMBERLAND, DAUPHIN & SCHUYLKILL CALL ROBERT SNYDER AT 286-6042

SANFORD G. LEAMAN, REALTOR

101 White Oak Drive
Lancaster, Pa. 17601

717-569-4264
Auctioneer

Southern Huntingdon Co.

Dairy farm, 175 acres w/150 acres tillable, large barn w/44 stanchions, 2 nice homes, stream & good spring on property Many other extras $315,000

Dairy Farm, 111 acres, extra good home w/7 rooms & 2 baths Good barn w/27 stanchions, Milk house & wagon shed $100,000 Firm

Perry Co.

Toboyne Twp 50 acre general farm, approx ½ wooded, excellent hunting area, extra nice 3 BR 2-story home w/modern kitchen, approx 32x110' pole barn & other buildings Also 4 room & bath cottage $85,000

Colonial Real Estate Agency
814-447-5511

SNYDER COUNTY

96 acre farm, BEAVER SPRINGS, $96,000

47 acre farm, McCLURE, $70,000

Many small mini farms available.

Integrity Real Estate
Middleburg
717-837-1061

71 ACRES OF LAND OVERLOOKING SUSQUEHANNA RIVER

45 acres with a breath taking view, zoned rural conservation

Balance of land is zoned shore line recreational and includes 3 ponds

Owner will subdivide Ideal for mobile home, modular, campground or lodge Call Today!!!

MARVIN BENNETCH

Realtor Associate

RESIDENCE
R D 2, Box 161
Cocalico Road
Denver, PA 17517
(215) 267-3355

Warren Weaver REALTORS
FARM AND LAND DIVISION

OFFICE
1500 Lititz Pike
Lancaster, PA 17601
Office (717) 393-0403

CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

18 acrs. woodland, $17,500/Mr. Niesley

JUNIATA COUNTY

186 acre executive's paradise, 10 room ultra-modern house, bank barn, greenhouse, potential for private air strip, 3 ponds, 1 mile creek frontage, secluded. Call Mr. Crawford

FRANKLIN COUNTY

162 acre dairy, 150 cow free stall, milking parlor, 7 silos, 2 modern houses Call Mr Niesley.

150 acre dairy, 50 free stalls, milking stable w/DeLaval pipeline (4 units), 20x60 silo, 2 story log and brick 5-bedroom house. Call Mr. Niesley.

MIFFLIN COUNTY

90 acre dairy, 60 freestalls, liquid manure, 2 silos, large implement shed, modern frame house Call Mr. Crawford

PERRY COUNTY

3.42 acre building lot w/septic permit $12,500. Call Mr. Bitting.

47 acre farmette w/restored Circa. 1827 stone house, 3 working fireplaces, tennis court, 2 car garage, bank barn, silo & other buildings. Call Mr. Orris.

105 A. Hog & Beef limestone soil farrowing house, bank barn, silo, modern 2 story brick house. Call Mr. Niesley.

JOHN B. NIESLEY REAL ESTATE

1137 Rockledge Drive
Carlisle, PA 17013
717-249-8787

RICHARD B. CRAWFORD - 717-734-3673
EARL I. STERN - 717-748-7376
GREGG R. BITTING - 717-789-3368 or 789-4513
STEVE E. ORRIS - 717-789-3368 or 789-4177

400 CANADIAN ACRES

This Mennonite-owned farm is located in productive southwestern Ontario on a paved road: 300 working acres of rich, flat Harriston loam (85 tile-drained), 14 A. sugar maple woods, 85 A. cedar woodlot. The modern, painted buildings include: 5 bedroom house with large kitchen, large family room, fireplace, attached garage; bank barn for 150 beef cattle; climate-controlled fattening barn for 240 hogs with liquid manure tank; new 47'x96' steel implement shed with concrete floor and heated, insulated workshop; 2 steel granaries; additional sheds.

Price is $498,000 in Canadian dollars, a real bargain in U.S. funds (approx. $368,000 US). Partial financing may be arranged.

Call Owners:
(PA) Arnold Cressman 412-887-6639
(Ont.) Vernon Cressman 519-323-1887

TOUCH OF CLASS

Go to the mtns. in style with a 20'x26' two story cottage. Cape Cod style offers appeal & over 1,000 sq. ft. liveable space. 2 ac land borders State Forest Frontage on Twp. rd., multi & exciting recreation area PRICED $14,900 C1194

EXCELLENT OPERATING DAIRY!

300 Ac. farm with 63 cow barn plus heifer barn & calf barn. 4 silos - 2 w/unloaders. 180 Ac. of good, well drained tillable Close pasture w/stream Nice comfortable home $165,000 for real estate. Cattle & equipment negotiable. Good owner financing! Rexville, NY C1241

MULTI-PURPOSE FARM!

Immaculate 12'x65' Mobile Home w/house roof, siding, new carpeting, full basement 50'x72' barn w/21'x30' addition, 60 stanchions & numerous box stalls. 14'x30' Silo, attached milkhouse & grainery shed Work shop 22'x48' w/12'x16' addition. 102 Ac. w/stream 58 A. hay, 40 pasture. N.E. Potter Co Priced $69,900 C-1260

THE Real Estaters OF WESTFIELD
108 MAIN ST., WESTFIELD, PA 16950
814-367-2249

Paul M. Longacre FARMS AND COUNTRY ACRES

BERKS CO

140 Acre Farm features lovely 2½ story stone home, modern kitchen, dining room, living room, center hall, 4 large bedrooms & bath, large bank barn, 2 large machinery sheds, small horse barn, large storage bins, gently rolling land with pond & stream $460,000.

76 Acres General Farm - 2½ story brick farmhouse, needs work, 2 story bank barn, double corn crib, large stream, private setting, $150,000

LUZERNE COUNTY

121 Acre Dairy Farm features lovely center hall, colonial home with 4 bedrooms & bath, modern kitchen, formal dining room, living room, family room. 565 Comfort stall barn with Pipeline Milker, barn cleaner, bulk tank, 20x60 concrete silo with unloader, 2 story heifer barn, large pond. Possible financing available to qualified buyer. $235,000.

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled Slightly rolling & level good ground $225,000, make an offer, reduced $175,000 #310

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

TIOGA COUNTY

800 Acre Dairy Farm 400 T 2 very good, lovely homes 83 stall dairy barn Steel pipe line, 1000 gal tank and barn cleaner (2) 16x60 and (1) 14x40 silos with unloaders Large heifer barn $365,000 Full line of machinery and cattle available

NORTHAMPTON COUNTY

New 78 Acre Beef Farm with large modern 2 story steel barn, bunk feeder, 2 Harvestore silos, divided fenced pastures, machine shed, lovely stone home with large modern kitchen, large living room with fireplace, 2 bedrooms, 1½ baths, also apartment with kitchen, bedroom, living room and bath Owner Financing Available $325,000

SNYDER COUNTY

186 acre dairy farm, 100 T, features modern 60 free stall barn w/milking parlor, 2 story heifer barn, and large machinery shed 20x60 and 20x70 Harvestore silos, lovely 2 story home with 3 bedrooms, kitchen, large living room/dining room, laundry and bath $210,000 Also full line of machinery available

MONTGOMERY COUNTY

82 acres, 65 till, balance woodland & pasture w/stream general farm, 2½ story 5 bedrm house /LR, DR, Kitchen & bath, bank barn & other buildings, ~~$250,000~~ $235,000

60 acre general farm, Boyertown area, lovely new 4 bedroom colonial w/large eat in kitchen, living room, dining room, sunken recreation room, den & 2½ baths and a private setting, $265,000

BRADFORD COUNTY

100 acre, 80 T dairy farm, features 54 stall barn, barn cleaner, 16x50 and 16x60 silos, 20x30 Harvestore silo, w/unloaders, 60' bunk feeder, large pole barn, 800 gal bulk tank, lovely 7 room home w/modern kitchen and bath, all for $150,000 #376

235 acre dairy farm, 125T, 3 bedrm brick ranch house w/large 1 r, kitchen & bath Features new 50 cow stall barn w/pipeline milker, bulk tank, etc 2 story bank barn for dry cows & heifers, 14x40 and 20x60 silos and bunk feeder, $300,000

5 acre Dairy Farm Modern 74 stall dairy barn Bulk tank, steel pipe line, barn cleaner 20x32 Harvestore silo and 20x60 concrete silo Manure storage Modern Ranch home with 4BR's, Kit, DR, LR, Bath and Den $145,000 Also second house available

SUSQUEHANNA COUNTY

102 acre w/14 acre natural lake, 69 acres hardwood forest, large modern ranch house w/two & one car garage, kitchen, dining room w/enclosed deck, living room w/stone fireplace & cathedral ceiling, 5 bedrm, 2½ bath, workshop, 2 family rooms and apartment w/2 bedrooms, kitchen, living room, family room, bath Also 2 cabins (one winterized) and cabin-site w/well & septic adjoins state gameland 15 minutes from Elk Mountain ski area ~~$160,000~~ Reduced to $110,000

520 acre dairy farm, w/120 acre approved land fill, 165 acres tillable, new 69 tie stall barn, 20 free stalls, modern milking parlor & liquid manure system, 2 large sheds, large main dwelling & 2 double houses and trailer 24x65 concrete silo, 20x80 and 20x40 Harvestore silos, 105 cows, 35 heifers, 3 large bull dozers and full line of machinery lock stock & barrel $1 500,000

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Manure management requires more than 'pitchfork' technology

LEESPORT — A farmer with livestock concentrated in a small area can spend as much for a system to manage manure as the average American family spends on its home. And the volume of animal waste generated by a large farm can equal that of a small town according to district conservationist Duane Pysher, of the soil Conservation Service.

"But there the similarity ends," he said. In town, the cost of disposing of the waste is divided among those who create it. On the farm, one person, the operator, bears all the costs unless technical assistance and cost sharing can be obtained from a public agency.

Today's farmers are facing increasing problems in disposing of animal waste and they are finding the solutions costly. Years ago, the farmer's investment was a pitchfork and manure spreader. Manure was looked on as a farm waste product and spreading on fields was the easiest way to get rid of it.

The modern intensificiation of agriculture has, in large part, changed the farmers' opinion about manure. Most farmers have increased awareness of its plant food value. The nutrient value of manure can make crops grow better and save some of the cost of commercial fertilizer, Pysher said.

At the same time, an expanding urban population in becoming aware of other effects of animal waste. Families which build or buy next to cropland may count the ordor of spread manure as a nuisance. The smell from an unmanaged pile or pond of manure can be much worse.

Some families and communities are learning that poorly stored accumulations of manure or even manure overapplied and carelessly managed on crop fields can pollute surface and well water supplies.

"Part of the problem goes back to our forefathers," said Pysher. "When farming began in this area, the best location for a barn was near a stream. There was no running water in those days and the farm animals got their drinking water from the stream."

That was not much of a problem when each farmer had a few cows, pigs, and chickens, he explained, but now many farms have more than 100 cows and some have 100,000 or more chickens.

When the farmer turns to SCS engineering technicians or Cooperative Extension Service county agents for help, he finds out the solution to animal waste problems are not always cheap.

Many farmers are turning to manure management systems which combine storage with application. The storage structure can cost anywhere from $5,000 for an earthen pond to $50,000 or more for a metal fabricated tank. Phsher said that on the average, farmers in this area (Berks Co.) are spending about $35,000 for their storage structures.

Farmers use various methods to get the manure on the land. Most farmers are spreading manure on the surface and disking or plowing it into the soil, he said, while a few are investing the equipment to inject the manure into the soil.

New equipment to apply manure can cost a farmer an additional $20,000 to $30,000 or more. The farmer is faced with a major expense, Pysher said, while most of the benefits will go to others through better water quality.

There is a benefit to the farmer of lower fertilizer bills, Pysher said, but the more expensive systems are so costly that they will not pay for themselves in the farmer's lifetime.

For this reason, Pysher added, many farmers feel that the government should increase its contributions towards installation. They can now get a maximum of $3,500 through the Agricultural Conservation Program (ACP).

Pioneer researcher says;

Alfalfa cultivation requires "commitment to excellence"

TIPTON, In. — Establishing and maintaining a healthy, productive and long-lived alfalfa stand takes a high degree of planning and management.

"Poor planning is perhaps the primary cause of the problems I see in the field," says Bill Fleet, an agronomist with the Eastern Division of Pioneer Hi-Bred International, Inc. "Time spend out of the tractor seat and behind a desk before putting in an alfalfa stand is well invested time."

Planning should begin at least one year before the ground is to be planted, Fleet says. Triazine herbicide carry-over is one reason.

"Even if triazine herbicides weren't used the year before the alfalfa is planted, if the field has been in continuous corn for more than five years there may still be a problem with carry-over."

To reduce the chances of herbicide build-up injury to young alfalfa seedlings, Fleet recommends putting on no more than three-quarters of a pound of atrazine the year prior to seeding or using a low residual triazine such as bladex. He also recommends plowing under residue if possible and applying lime six to seven months ahead of the seeding date.

Fertility plans should be made months in advance in order to maximize stand potential, he adds. Soil pH levels are particularly important with respect to nutrient availability.

"A fertility program is only as good as the lime program. You can have all of the nutrients there, but if the pH isn't in the right range — 6.5 to 7.0 — you may not get out all the benefits of the fertility program," he adds.

Manure should not be applied close to or during the growing season, the Pioneer agronomist advises.

"Manure applied while the stand is growing will inhibit activities of nitrogen-fixing bacteria. They'll literally start living off that nitrogen source (manure) and will not assimilate any into the plant system. In some cases, the alfalfa will actaully show a nitrogen deficiency in those situations."

Micronutrients such as sulphur, zinc or boron should be applied if soil and plant tissue tests show a need. Boron is the one micronutrient that should be applied each year, Fleet notes.

Seedbed preparation is another area where planning pays off. Alfalfa does best in a firm, clean and relatively smooth seedbed, however Fleet emphasizes that this does not mean overworked.

Once across the field with a cultipacker before seeding and, in many cases, a follow-up pass after seeding with the same implement provides the best seed to soil contact. Packer or press wheels are recommended if a grain drill is used for seeding.

"The seedbed should be firm enough that you can stand on it without sinking in over the soles of your shoes," Fleet says.

Alfalfa should be placed around one-fourth of an inch deep, but this is difficult when the seedbed is too fine, he adds.

"Alfalfa can be seeded with just about anything," the agronomist says. "I've seen grain drills, cultipack seeders, aerial seedings and even cyclo seeders used, however most of it is being done with the cultipack seeder or a grain drill."

Optimum planting rate is between 15 and 16 pounds per acre, but Fleet believes rates should be increased slightly to compensate for the possible stand loss due to enviromental conditions if seeding is done very late in the season.

Growers who try to achieve a very fine stem by overseeding — sometimes as much as 42 pounds an acre — will get the fine stems, he says, but they will also have a great deal of difficulty with the plants lodging.

Seeding rates at the other extreme — as low as six pounds an acre — are not the solution either. This results in plants that are too thinly placed to reach their potential.

"I believe a lot of seed is wasted. Although a 20 pounds/acre seeding rate is common, Pioneer research shows many times over that the 15 pound seeding rate is as good and probably better than a 20 pound seeding rate," the alfalfa expert says. "Our research produced less tonnage with an 18 pound/acre seeding rate than the 15 pound/acre seeding rate after the establishment year."

An alfalfa stand is only as good as the care and thought that go into establishing it.

"It takes a commitment to excellence when growing this crop," Fleet concludes.

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For Sale: JD model 894 Hay Rake, Pequea PTO Hay Tedder, 3 Barrel 6 row Crop Sprayer. Lehigh Co Call evenings, 215-679-8921

FOR SALE. New NH 256 rake $2,100. Will Trade Kewanee 3 pt 15' roto hoe $650 717-933-8134

JD 4020 tractor, nice condition. Can Deliver $8,300. 717-532-7054

JD 4030, quad range, recently overhauled, 4 post canopy w/enclosure, JD 148 front end loader, 7' material bucket w/tines mounted on 4030, JD 510 round baler, 1500 lb bales, JD 1209 haybine, late model; JD 660 hay rake, 3 pt hitch round bale mover All equipment in excellent condition. Juniata County 717-436-2255.

JD 4040, 4 wd, cab and air, 2 outlets, 2100 hours, $14,500/offer 301-833-9091

JD 4240 quad range, 4 post, dual hydraulic, new rubber, rebuilt motor, like new, $14,900 717-264-1154

JD 4320 side console, diff lock, nice original tractor, $8,500 717-264-1154.

JD 4430, cab, air, quad trans, 3270 hrs, all new tires, dual remotes, weights, diff lock, excellent Mornings, 412-697-4444.

JD 4430 quad range, dual hydraulic, diff. lock, 2200 hours, $9,800 717-264-1154

JD 4440 cab, quad range, dual hydraulic, 140 HP, solid, $18,500 717-264-1154

JD 4630 power shift, 4 post, dual hydraulic, extra nice, $11,500 717-264-1154

JD 4840, 2200 hrs, 20.8x38 duals, triple remotes, quick coupler, very nice condition 717-664-2207

JD 494 corn planter, 4 row, good, $320 York Co 717-225-3066

JD 6 bottom 16" model 145 semi mount plow, very good condition $1,200 or best offer Call evenings 201-359-5934

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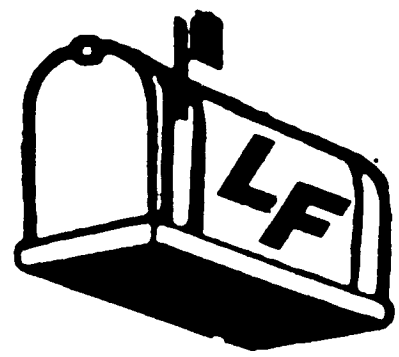

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FOR SALE. Int late Model 56 corn planter, 4 row, excellent shape Set of David Brown 3 pt. hitch, 3 bottom 16" trip plows, nice shape, $350. 607-748-4283.

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FOR SALE: JD 2840 diesel, 994 hrs, ROPS, dual outlets 804-979-0886.

FOR SALE: JD 4040 tractor, cab, low hrs, late model, excellent conditon 717-786-1587.

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NH 469 haybine, 420 Int baler & kicker, #14 Int rake, 2 wagons w/racks Best Offer 301-692-6881

NH 469, $2,000/Offer NH 56 Rake, $1,000/Offer 301-833-9091

NH 65 baler, 78 Chevy C65 truck, new 366 motor, clutch, pressure plate, 20' box w/ overhead; 85 MF tractor, 3 pt. hitch; 310 NH baler, like brand new, baled less than 4,000 bales; Super W6 IH tractor, wide front, like new; NI 9' cut belt driven cutditioner; All equipment in good condition. All equipment reasonable. Personal property. 607-729-3151

NH 892 chopper w/12 knife cylinder, 880W pickup head, 822 corn head 30" rows, field ready and in excellent condition. 717-949-3074. If no answer call 703-879-9926 evenings until 7:30

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FOR SALE NH 477 haybine, 7', $1,850, NH 256 rake, Pequea hay tedder, new 717-933-8134

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For Sale. 1800 Oliver gas, narrow front, $3,000 717-532-8601.

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Farmall Cub w/60" Woods Mower
JD 494A Planter
JD Heavy Duty Quick Coupler For 3 Pt. Hitch
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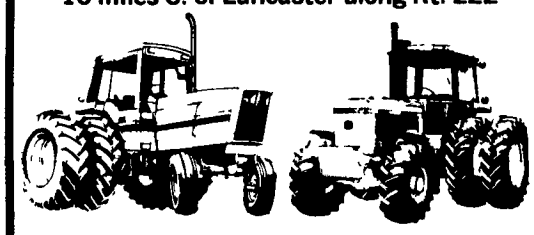

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JD 2640 Row Crop w/15.5x38 rubber
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JD 3010D, wide front, dual outlets
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Case 430 diesel, $1,500
JD 4020 diesel, syncro range, $6,000
MF 135 diesel, $2,800
NH 469 haybine, $1,500
NH 479, $2,000
NH 275 baler with thrower, $1,800
NH 271 baler, $850
NH 467 7' haybine, sharp, $1,850
NH 56 rake, $950
Ford 773 loader, heavy duty, like new, $1,800
NI 272 cut-ditioner 7', $1,050
NH 472 7' haybine, nice, $3,500
JD 210, 13' disc, 22" blades, $2,150
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JD 4230 Tractor, Cab & Air
JD 4020 Side Console, WF
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JD 2840 Tractor
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John Blue 500 gal. Applicator
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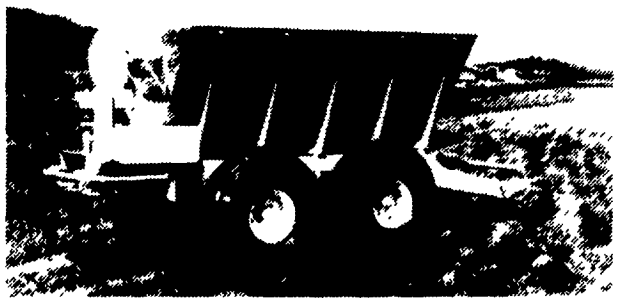

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Hay Equipment Specials Haybines. Used Hesston 1014 Hydro; Swing, 12'. Int. 1190 for $2,475.00. New NH 489. Haybine $7,550.00.

Used NH 488 Haybine.

NI 279 cut/ditioner, $1500.00. NI 7' cut/ditioner, $1200.00. NI 272.

NH 850 Rd. Baler.

NH 320, looks like new w/new #70 NH Thrower for $6950.00. JD 466, a real nice big baler. Lely Hay Tedder.

NH 320 baler w/bale chute; NH 280 wire baler w/motor.

JD 350, 3 pt. sickel mower, late model. Ford sickle mower.

TRACTORS AND EQUIP. JUST PURCHASED. JD 2940 w/R.G., real nice; JD 4320 w/cab; IH 784 D. w/2250 L. JD 4640 C.A. Quad, real nice w/Snap on Duals $26,000.

Int. 454 D. w/loader; Int. 574 D. w/Dunham Lehr Loader; JD 716A Forage Wagon; JD 716 Tandem Axle w/roof, real good.

Arts Way 800B Feed Mix Wagon w/scales, like new.

1972-JD 4020 WF.

JD 720 D, Excellent w/3 pt.

Int. 674 D. w/2250 loader.

White 2-50 w/554 loader (SOLD).

JD 4620 w/Cab and new tires, real nice, JD 4640 C.A., PS, 20x38 tires, w/Dual Wheels, fully equipped, 800 hrs., like new. Used JD 2640 w/Hi-Lo dual hydraulic, $9,875.00. Farmall 1586 C.A., 3 valves, & Dual Wheels (SOLD). Farmall 1086 C.A. Farmall 886 w/Cab and 18×38 tires like new for $17,450.00. Super A w/2 Way Plow, fully eq., excel. cond.. Case 930 D, original. New A.C. 8050 PS w/Radial Tires, list 56, cost 44, our price, $32,850.00. New AC 6080 Diesel.

JD 4630 cab, air, PS, w/Front whl. drive. JD 6030 C.A., duals, all original. Farmall 1586 C.A., real nice. Farmall 1486 C.A., w/Radial Tires, real nice, one local owner. 1066 Hydro original. Farmall 706 Gas, WF and 3 pt.. 766, original. NI 325 picker w/sheller like new. NI 324 Picker w/12 roll bed. Case 1370 C.A., PS, factory duals and full wts., $13,500.00.

Oliver 1855 w/20:8 Tires & Original Paint.

NI Combines, Just Dealt. NI 702 late model w/Heavy axle w/729 A Sheller. #743 - 3 row Quick Tach C.H., Real Nice & Field Ready. NI 738 4R N CH. NI 10 ft. direct cut head. NI 3 row 30" Silage Head.

NI 705 Uni D w/729 A Sheller & 3 Row C.H. NI 702D w/Burned Motor.

NI 713 Q Tach Grain Head.

MF 1135 CA MP, Real Nice. Farmall 1468 C.A., $8,850.00.

Farmall 886 w/R.G., 560 D w/F.H.. Nice 756 D WF and F.H., nice, original. 756 D WF 3 pt.

Int. 574 Utility D, w/New Tires.

Farmall 706 D WF 3 pt.

Farmall 230 w/F.H. Int. 656 Utility D w/2000 Loader. Farmall 560 Gas w/Int. Snow Plow. Super M.

Farmall C w/cult.; Farmall C w/Rotary Cutter; Int. #10 Flail Chopper.

Used NI 323 1 Row Picker, Real Nice, $2250.

AC 7010 C.A., P.S., 20:8x38 tires, full wts., light package looks like new.

Farmall 656 Gas. JD 1520; JD B.

JD 730 D. w/3 pt. $3,750. M.M. Vista 1000 w/Cab for $5,850.

JD 4010 D, $5450.00. 4010 Gas.

JD 4020 S.C., P.S. JD 730 Gas. JD 4030 4 Post w/Quad & good tires. JD 2010, gas, nice. JD 630 w/PS & 3 pt. PT. 4020 D WF, DL and 2 values w/Cab. JD 6030 C.A., real nice. Farmalls 1586 4 Post R.G. w/Duals. 1206, extra nice.

Int. 606 w/Loader. MF 175D w/R.G.

Int. 300 Utility. 2 Farmall H's.

Farmall Super M w/Myers Snow Plow.

Int. 84 Hydro D.

JD 4020 D., WF, PS diff lock (SOLD). (Harvesters). NH 890 w/3 row 30" C.H. 2 row snapperhead and pickup head.

Hesston #30 Stakhand.

CHISEL PLOWS. New Ford 13 ft. 3 pt. w/Gauge Whls.

Used Grim 4 star hay tedders.

NEW NI 406 Rake w/Front Whl, $2,275.00. Used N.H. 258

Grinder Mixers. NH 357 for $3850.00. Gehl 95, real nice. NH 352, 351.

Int. 1150, Real Nice.

New AC 7010 w/20 Sp. Trans. 110 HP for $19,800.00. MF 1135 w/Cab & Dual Wheels.

Farmall M Diesel w/PS. M & W PTO & Dual Hydraulic. Farmall 1566 w/Cab and duals.

Case 1410 D, nice.

Cub 154 Loboy; AC 720 w/3 pt., nice.

Cub 682, 128, 125. JD 317, 314, 400.

Used JD 4230 CA, QR. 4020 side console for $9,500.00

JD 4020 WF, original, excellent; JD 3020, S.C., WF.

Corn Heads JD 643, 444, 244, 843, 343, 443, 313 for 45C, 235. JD 443 w/Field Queen Attach. MF 1163. 63, 43, 44, 24, 222, 422. Gleaner L438, K238, A630 for L2 & M2, G630, F335, F330, M430. Int. 863, 864, 844, 744, 843, 227. NI 4 row 40" heads. Case 4 row 40". MF 43 Lo Profile. NH 4 row 38" White 704 corn head.

JD 443, used 2 seasons. 1981 JD 643 & 444 late model C.H. New JD 443 CH for $9500.00.

Ford 4 Row 30" C.H.

Used Int. 820 16' flex grain head, $4500.00.

Used JD 215 Flex Grain Head. 3 Used JD 13' Grain Head.

4 used #810 Int. 13 to 16 ft. reg. and floating heads.

(New Farmalls). 5088 C.A. 20x38 tires; New 3688 fully eq. for $29,000.

New 5488 Fully Eq. w/dual wheel. Call for Super Price!

IH 3588 2+2, local owner, like new.

IH 5488 fully eq. w/dual rad. tires, like new; Int. 574 utility D., $4,250.

(Used Farmalls). 966 original. 1206, real nice. We have 4 JD 4020 side console diesels. 1970 JD 5020, $6950.00. Ford TW20 w/Cab w/220 Hrs., Damaged.

Case Used 2590, fully eq., cab, air, PS, dual whl., 900 hrs., for $24,900.00.

New Case 1490, w/Heavy 66 Case Loader.

Case 930 Standard D, Real Nice.

AC D 17 dual IV w/3 pt./3 pt. JD 4230 w/Rops. 1971 JD 3020, SC, PS, DL, +2 valves (SOLD).

TRACTORS. Farmall 544, Gas, WF. Farmall 706 D, WF & 3 pt.

1971 JD 4020, original. Case 1070, PS, $6875.00.

Long 910 D.

CULTIVATORS - New Case 3 pt., 8 row Hydro fold. JD 4 row & JD 6 row rear.

CORN PICKERS. 2 Used NI 325 w/12 roll bed, current model. Used NI 325 w/8 Roll Beds. (2) NI 324 w/12 roll bed. (325 N. w/Sheller). NI 3 row 30" Picker w/Super Sheller. New Idea Shellers and Super Shellers. NI 2 row N. w/Grinder.

NI 323, 1 Row, Like New.

NI 324 w/8 roll bed. NI 324 w/Super Sheller. 4 yrs. old for $3995.00. NI 325 w/Regular Sheller, nice.

New NI 324 Picker w/Super Sheller List, $15,390. Special $8,475.00. NI 319 Mtd. Picker w/Sheller. JD 237 w/Multi Lubes & Sheller Available.

Mounted Pickers. NI 305, 2 row for M, 450, 560 & JD 3020. Int. 234 for 560-656.

NI 727 Uni Husking Beds.

JD 4020 w/58 Loader.

Farmall 1568 w/Cab & air, used 1000 hrs. 1566 w/cab. 1466 w/Cab. 856 w/38" tires, very nice. Farmall 756 Gas. Hi Crop 656 Diesel, Hi Crop.

HARVESTERS. Int. 830 w/2 row, 30", C.H., w/Electric Controls, 2 yrs. old, like new, $7,800.00. Int. 830 w/3 row 30" C.H., fully equipped, $6,800.00. Fox Super D SP Chopper w/2 row.

JD 5440, SP, 4WD, C.A. Hydro w/3 row C.H. & PU; JD 38 2 row 30" chopper; JD 3960 w/elect. controls. Direct cut head for JD 3960 & 3940.

JD 243 C.H. w/Adapter Plate for Chopper.

JD 3800 w/2 row C.H. for $2850.00. Fox 3310 w/3 row 30". NH 717 w/2 Row 30". NH 890 w/3 row 30". 2 NH 890 2 row 38" cornheads. Fox 2 row Snapper Head. NH 770 1 Row Snapper C.H. NH 890, 2 new Snapper Head. Fox 2 row 30" Silage Head. JD 1 row Snapper Head for 38 & 3800. JD 4 row Stalker Head, like new.

New JD 5½'. Used JD 5½' Pickup Head.

JD 8' Direct Cut Head; NI Uni 10' Direct Cut Head.

NH Direct Cut Heads for 770 & 717, like new.

Gehl Recutter Blower.

ALLIS CHALMERS 7040 w/Cab, power shift, like new, low hrs. AC 7045 C.A., Fully Eq. New AC 7010 for $19,800.00. 210 w/new 20.8x38 tires. AC H3 Crawler w/Blade and winch.

3 JD 4 wheel drives, 8630, fully eq. w/duals & 7520, fully eq., w/Duals.

JD 8430 fully eq. w/Duals & new motor nice.

FARMALLS. 806 w/3 pt. & 38" wheels. Farmall 656 Diesel & 656 gas. Farmall 826 Hydro D.

Farmall 450 gas w/PS & FH.

New White 2-65 w/Front Whl. Drive and new 1730 Loader, List $29,000.00. Our price, $21,450.00.

MASSEY FERGUSON 1155, cab & air, M.P. for $8850.00. MF 184, 4 Wheel Drive. MF 175 D. MF 90D. Oliver 1950T w/Cab for $5,975.00. Oliver 2050D $7,850 00

Oliver 1650 w/over & under shift.

Farmall 706 German D w/cab. JD 2520D. MF 1135 w/R.G. and dual wheels. NH 890 2 row snapper head.

Fords 5000 D.

Super A w/Rotary Mower. Super C w/2 Row Cult. Massey Pony w/Rotary Mower (SOLD). JD A, Real Nice. Ford 860 w/Loader.

IND. EQUIPMENT. Cat 955L Loader.

Int. 500 E Crawler Loader w/270 hrs., like new. Cat 933 crawler loader.

Howard 3 pt. backhoe.

AC 600 21 ft. Forklift.

Gehl 3000 Skid Loader.

Mechanics Specials. JD 530 w/3 pt.

Farmall 1256, needs motorwork; Farmall 460 w/light fire damage.

Case 1212 D.

Case 900, Wrecked.

Case 1410. Farmall 706 gas, needs trans. work, $2700.00.

Planters. Used Int. 800 six row air planter w/dry & monitor fully eq. for, $6,875. New & Used JD No Til Planter Coulters.

Used JD 7000 8 row 30" dry fert. no-till monitor.

New JD 6 row Consv. w/dry fert., inst. & monitor- one left. Used JD 6 row Cons. w/liq. & frame mounted no-til.

Used JD 7000 4 row N, Dry Fert., Inst., monitor; Late Model, real nice; Used JD 7000 4 row N. w/liq. fert. & minimum till coulters.

Used JD 7000, 6 row w/dry fert. & no-til, fully eq.; White 5400, 4 row, dry fert. w/monitor, like new.

AC 12 row No-Til Soybean Planter. Oliver 6 row no-til w/dry fert., inst., fert. fill and population monitor.

IH 400 Cyclo 6RN; liq. fert., $1,850.

Cabs for JD and Int. 66 series Tractors.

New full vision cabs for MF 165 thru 1135. Glenco 12 ft. 9" Soil Finisher, like new.

Brady 14 ft. pull chisel plow.

JD 1710 11' Mulch Tiller, like new; JD 230 hyd. fold disk; Glenco 13 Tooth Hydl. Fold Soil Saver; AC 26' Hydl. fold Disk.

Crust Buster 11' flex offset disc.

Miller 12 ft. offset disk.

JD Transport Wing Harrow.

Used Danuser Post Hole Diggers.

New JD Front Dozer Blade for 4520 thru 4620, 4430 and 4640.

2 NH 38 Flail Chopper, like new.

MC Flail Chopper, like new.

New 8 ft., heavy duty 3 pt. blades.

JD 6 & 8 row front cult. New 15 ft. rotary cutter. Oliver 3× Rollover.

PLOWS. JD 5× Hyd. JD 2500, 6×18 sp. reset. Int. #700 6×16 sp. reset w/colters, etc. for $2650.00. Oliver 4×16 Rollover. JD 3×16 Rollover & 2×.

Ford #152, 6x16 sp. rest; Int. #450 4x sp. reset (SOLD); Int. 560, 5x16 semi.

Used Chisel Plows. Brady 12 ft. & 14 ft. Used 3 pt. Bush Hog 7 Shank V-Ripper. Bestland Rock Picker. New Johnson Loader.

NI 214 Flail Spreader w/Endgate.

NI 4 row Stalk Shredder.

Used Brillion 21' Hyd. fold cultimulcher.

Int. 480 20' Fold Disk.

JD 310 12' Disc.

AC 16' Wing Disk; NI 12' Lime Drill; Howard 13' Rotovator.

JD 3 pt. 15' Rotary Hoe.

JD 11' pull type chisel plow. Int. 3 pt. 2 & 7 shank V Rippers.

Bush Hog 7 Shank V-ripper, $1,650.

New Landoll 24 ft. hydraulic fold chisel plow.

Sunflower 18' hydl. Fold Chisel Plow, $1,850.

JD 1600 20 ft. Hydl. fold chisel plow. Int. Hyd. fold 20' field cult.

Grain Ovator Feed Wagon.

Avco NI 42' elevator w/motor & PTO drive.

Farmhand Gr. Mixer for $1,650; Caldwell 20' Hyd. fold rotary cutter; 6 row 3 pt. Styne Cult.

New DMI 12 ft. pull chisel plows. JD and Oliver 4, 6 & 8 row front mtd. cult.

Straw choppers for combines. JD 4400, 7700, 6600. MF 510, 550.

Kawanee 22 ft. Wing Disk.

JD 8300 21×7 DD Grain Drill w/Soy Bean Attach. Used 100 acres, like new.

JD 8300 21×7 D.D., $3450.00.

Int. 510 21×7 D.D. w/press wheels. 2 sets of press wheels for JD drills.

Int. 510 16x7 w/fert. & grass seed.

Loaders. New Int. 2355.

Used 2350, 2250; JD 158, 148, 48; New JD Loader for 400 & others. MF 246 Loader.

Int. 2050, 2001 loads.

JD 58. 46A Loader. Int. 2250, 2050. Int. set of forks, like new. Great Bend Loader, 3 pt. hitch for 630 and 730 JD Tractor. New and Used JD Quick Couplers.

New IH #80 3 pt. Snow Blower.

2 New sets JD 38" cast whls. & rims for 4640.

Int. Flattop Fenders for 706 to 1466.

TRUCKS. 1979 Chev. C65 24 ft. rollback, like new.

'76 Chev. 4×4 Pickup.

Int. Scout 4 whl. drive. Delta 44 ft. combine trailer.

New NH Direct cut head for 770. New Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for JD 3960, 3800 38. Fox pickup head. 20 set of dual wheels, all sizes.

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784 Int. tractor with cab and new tires, front and back. Tractor appearance like new, $9,200 Cumberland Co 717-258-3863.

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450 Farmall w/loader, 2 pt. hitch, new paint & 11' 3 pt. hitch disc JD $3,600 for all. Lycoming Co. 717-745-3128

510 Massey Ferguson combine, hydrostat, 1976, 13' grain head, 4 row corn head, good condition. Southern York Co 717-235-4914.

For Sale MF 410 combine, like new. Loaded, $8,000; NI 214, 3 btr manure spreader, $2,000/best offer 215-926-5177.

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16' harrow on wheels with hyd. fold wings and Mid West rake, field ready, excellent condition 215-777-1918 or 215-775-2568

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Ford 7610, 6610, 8000, 3600, 1200 w/mower; Int. 706, 2424; Low Boy; Ford 960, Ford 4400 w/loader, 535 w/loader, 550 tractor loader backhoe; Case 580 tractor loader backhoe; JD 350 crawler w/blade.

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- JD 7000 4 Row
- JD 7000 6 Row
- JD 1240 4 Row Plateless
- JD 494 A 4 Row
- JD 1460 6 Row No till

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- JD F345 4 Btm Plow
- JD 1250 4 Btm Plow
- IH 440 3 Btm Plow
- JD 1 Btm Plow for JD M
- JD F145 5 Btm Plow
- Oliver 348 3 Btm Plow
- JD BW 10 Disk Harrow
- 1 Harrigator

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- NI 22A Tandem Spreader
- JD 1508 Rotary Mower
- Sauder Loader Like New
- JD 727 Rotary Mower
- JD 6 Row Rear Cultivator
- 250 Grain Chief Dryer
- NI #312 Corn Picker

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COMBINES

- Gleaner C2 Diesel w/2 heads $5500
- JD 45 w/10' Grain $1500
- IH 203 w/10' grain head $2475
- MF 750 D, hydro & grain head $14,750
- MF 300 Quick tach, gas & grain head $3,500
- IH 815 Diesel Hydro 4 row 30", 4 row 38" & grain $9,850
- MF 410 Quick tach w/grain head 4 Row 30 & 38" Corn Head
- IH 403 hydro, 4 row 30" and 13' grain $5,500
- IH 76 PTO 7' pull type $475
- AC Gleaner C2 w/4 row 38" corn $3,500
- MF 72 10' Head $1,200
- Massey 82 w/10' grain & 2 row 38" $2,000
- 1972 NH 985 dsl. w/13' grain & 4R 38" quick tach, real nice $12,500
- AC 60 pull type, nice $385
- IH 80 pull type Auger feed $950
- JD 6600 Gas w/grain head $9,000
- Massey 72 w/10' grain & 2 row, cab & P/S $2,000
- Massey 300 quick tach, cab, grain & 2 row corn $3,875
- Gleaner C-2 diesel w/cab & grain and 4 row corn $4,500
- IH 205 w/cab & 10 ft Grain Corn Head $3,000
- AC Gleaner G w/4 row corn, $6,950
- Gleaner E 10' Grain 2 row 38" or 3 row 30"
- Gleaner A w/grain head $2,000
- Gleaner E3 cab, grain & 3 row 30" $6,000
- E Gleaner, cab & 10' head, $3,000
- JD 4400, cab & head $7,000
- C2 Gleaner w/2 heads $4,500
- JD 6600 Diesel w/grain head, $8,500
- JD 4400 Diesel w/grain head, $9,875
- Gleaner M Diesel w/grain head & 4 row corn head, $11,500
- IH 80 7' pull type auger feed, $875
- MF 510 Diesel w/Quick Tach, grain head $5950
- MF 410 Gas w/Grain Head & 4 Row 30" $5500
- Massey 82 w/12' grain & cab $1,575
- IH 82 pull type, auger feed, PTO $1,475

TRACTORS

- JD 1020 gas
- Case 530 gas backhoe $2,750
- IH 856 Diesel WF, dual outlets, 3 pt. like new 20" radial tires real sharp $7475
- Case 830 diesel WF & 3 pt. $3375
- Farmall 560 diesel, fully equipped, $3475
- Farmall SOLD M, real sharp $1650
- AC D14 w/PS, $1675
- Farmall M Diesel $975
- Farmall 560 Diesel $2850
- Farmall BN w/hyd. $875
- Farmall SOLD per C w/hyd.
- Ford 900, P/S, real clean
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- AC D17 Diesel snap coupler
- IH 3444 Diesel backhoe w/2 in 1 bucket
- AC 6040 diesel 3 pt
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- IH 3400 Diesel, Backhoe w/New Motor & Roll Guard.
- IH Super C, new motor, new paint w/cult.
- IH 560 diesel, looks nice
- JD 730 Diesel, PS, WF, 3 pt.

PICKERS

- (2) NI #7 Picker
- (2) Woods 1 Row

MISC.

- 30 plows from 2 to 7 bottom
- 2 IH 10' wheel discs
- 2 NH 461 haybines $950 ea.
- New 8 ton wagon gear
- Ford 3 pt. mower
- MF 3 pt. rotary hoe $235
- IH 315 14' cultimulcher
- NI #14 spreader $385
- Oliver 62 Baler w/thrower $500
- NI cutditioner $875
- 2 JD 6 btm. 16" plows w/side hill hitch
- 40' Hay & Grain Elev. $325
- IH 400 A No-till plant SOLD 1575
- 7 & 8' drag discs, $100 & up
- JD 1240 4R plateless planter
- NH 479 haybine 9'
- IH 10 double disc grain drill, nice
- 35' Hay Trailer w/rack, $1,250
- AC 3 btm. 3 pt. plow
- Tandem Wheel 26' bale wagon
- 2-3 pt. cultivators
- 3 pt. rotary cutter
- IH 5x16 semi mtd. plow, $1275
- 2 IH 6 row 30" 400 air planters, choice, $1275
- NH 354 Grinder mixer, real clean, $3000
- AC 14' wheel disc $1275
- NI 213 3 beater spreader
- IH 8 ft. Wheel Disc
- NI 12' flail mower
- 1 & 2 row corn pickers
- Oliver 4x16 Trailer Plow
- AC 5x14 Semi Plow
- IH 510 5x16 Plow
- JD 4x14 Trailer Plow
- (2) IH 56 4 Row Planters
- IH 370 11 ft Wheel Disk
- JD 246 2 Row 3 Pt Planter
- IH 700 7BT 16" on Land Hitch Plow $1450
- MF 4BT 16" Semi Plow $650
- IH 550 5BT. 16" Semi Plow, Real Nice $975
- JD 2BT. 16" 3 Pt. Plow $375
- Badger Tandem wheel 3 beater w/roof forage wagon
- Oliver 88
- WF to fit 460, 560, 656, 666, 706, 806 SOLD
- IH 3 btm 14" fast hitch plow
- 2 Massey plows, 3 p.t
- IH 4 btm 16" semi, fully equipped, side hill hitch

RUNNING MOTORS TO FIT

- MF 1100D
- White 2-105D
- Ford 4,000D
- Ford 5,000G
- Farmall M, H, C, 404, 300, A, BN
- AC D17G, B, A, CA

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The Hesston Model 4800 Now Priced At: $48,000!

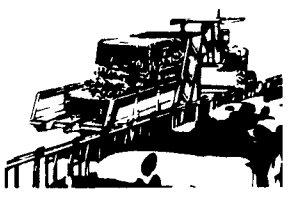
Get the Big 48 for 48!

That's right! Hesston has ROLLED BACK the price on their exclusive Big Baler from $71,000 to $48,000 You save $23,000! More than enough to buy the rest of the Hesston Big Bale System

This is the baler they call the "hay factory" Featuring center-line design exclusive flake preforming system and building big 48"x51" x up to 8' long bales that can weigh up to a ton in the right crop and conditions

Now get high-density Hesston Big Bales without the high price tag!

Model 4870 Processor now just $9,900!



The 4870 feeds Hesston Big Bales two at a time with optional kit feeds small bales too!

See us for details:

GRUMELLI FARM SERVICE
Quarryville, Pa.
717-786-7318

HESSTON THE PRIME LINE

Sweigard Brothers

RD #3
Halifax, PA 17032
717-896-3414

FORD TRACTORS
- New TW 20 w/Cab, 4WD, Air
- New 4610 SU
- New 3910
- New 1910 w/Ag Tire

NEW HOLLAND
- New Harvesters 782
- New L35 Gas, L325 Gas L555 D Skid Loaders
- New NH 353 & 358 Grinder Mixers
- New 367 Tank Type Manure Spreader
- New 34 & 38 Crop Choppers
- Used 36 & 38 Crop Choppers

NEW IDEA
- NI 406 Rake
- Used NI 325 2 RN Gathering Unit w/329 Sheller, Very Good
- NI 323 One Row Corn Pickers
- NI 3 pt. Hitch Fertz. Spreader

- JD 3 Bot. 16" Plow, Like New
- New Glencoe 12'9" Finishing Harrow
- Glencoe Soil Saver Stretch 7 Shank
- Glencoe Soil Saver 5 Shank
- Amco Heavy Duty 12' Disc Harrow
- Used IH 550 Harvester w/Windrow PU & 2R Corn Head

8' Bestland stone picker. 717-529-2512.

880 NH chopper w/2 row narrow or wide corn head & grass pickup. JD 55 combine, 13' grain head. 215-348-5514.

1469 NH haybine with Ford engine, good cond., $2,500; 469 NH haybine, fair cond., $1,095. 717-529-2512.

1 ground driven hay tedder, A1 shape, $500. Will Deliver. 717-698-5601.

1 H.D. belt driven welder w/100' of cable, $300. 5HP ing. ran comp., just rebuilt, $400. Elam B Stoltzfoos, 91 Hess Rd., Leola, PA 17540.

100-06 De[illegible] dual ve motes, real nice condition. $8,300. 717-324-2103.

1066 IH, WFE, new rubber, excellent condition $8,500. 717-328-5808

11L158 ply high flotation tires. Net $41.50 mounted. Cash and carry $39.50. DJ Implements. 717-949-3074

1 row corn planter, old, for horse or tractor. Also hand plow, small blade. Write: G. Schwartz, R.D.4, Boyertown, Pa. 19512

1,000 gallon fuel tank, used twice, stored inside $500. Lackawana Co 717-587-3657

White 4-150 4WD, duals, 3 pt. hitch & PTO, 2000 hours, $10,000. White 8600 diesel combine, 15' grain head, 6-30 corn-head, $10,000 Liquid fertilizer truck, Int'l., 4WD, 500 gallon stainless tank w/John Blue pump & foamer, best offer. 215-343-2444.

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IRRIGATION - WASTE - MANURE - FIRE - INDUSTRIAL
* SWIMMING POOL PUMPS *

SPECIAL
Hale w/Deere Diesel
Berkeley w/Deutz Diesel
Gorman-Rupp Trash Pump

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REYNOLDS ALUMINUM PIPE

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Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow $5275
Dunham 3 Bar 8 Tooth Chisel Plow
Spring Loader 32" Shanks $1695
Dunham 8' & 10' Cultipackers . . . . . Special Prices

USED EQUIPMENT

(2) NH 315 SS Baler Exc.
NH 273 SS Baler
NH 273 SS Baler w/54A Thrower Ex. Cond.
NH 276 SS Baler
NH 28 Blower
NH 717 N2 Corn Head
NH 489 Haybine
Butler Oswalt 1830 Ensilmixer
Case 4B Plow
NH 717 Harvester
McCurdy Grain Bin
NH 354 Grinder Mixer
NH 353 Grinder Mixer
NH 519 Spreader

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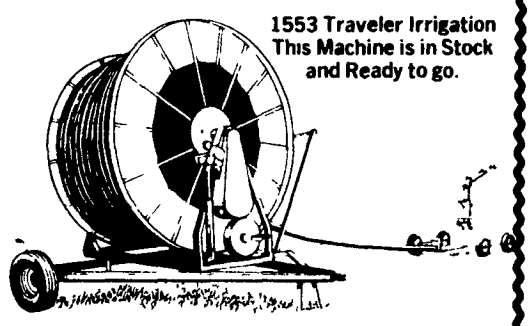
Sales - Parts - Service

LONG



1553 Traveler Irrigation
This Machine is in Stock and Ready to go.

(2) New Long 610, 64 HP - $10,250
New Long 310 28 HP - $7,000
Long 1549 loader - $2,400
New Long 310 DT, 28 h.p. - $8,700
New Long 1199B, 3 pt. Backhoe

¼ Mile East of Exit 6 I-81 on U.S. 30
Hours: 8:30 - 5:00 Mon. - Fri.
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TRACTORS
Ford 9700 4WD w/Cab
Ford 46000 DSU
Ford 3400 w/loader
Ford CL 40 Skid Loader
Ford 6700 w/canopy
Ford 5000 dual power
Ford 4200 10SP
Ford 4000 G SU
Ford 3000 D, 8 speed
Ford 2000 G 10 speed
Ford 901 10 speed
Ford 801, PS
Ford 800 w/Post Driver
Ford 800 w/loader
AC 5030, 270 hrs.
AC D15 3 pt.
IH 666 D., WFE
IH SH w/loader
IH Cub w/Equip.
David Brown 1200
Case VAC 3 pt.
Case 580 loader backhoe
JD 2840 w/Cab
JD 2240 w/Canopy
JD 4230, 4 WD, Cab
JD 850 D., 300 hrs.
JD 520 3 pt., PS
JD 60 PS, LPTO
MF 175 D 8 speed
MF 135 G, PS
Oliver S 55 3 pt.
Ford 6x16 Plow
Ford 4x18 Plow
Ford 515 Mower
JD 4x16 Plow
Ontario Grain Drill
JD 15' Disc

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

GUNTHER HEUSSMAN INC.

SO. 5TH ST., EMMAUS, PA. 18049 **215-965-5203**

Call John Bolton or Gunther

QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

JD 2750 Dsl., Hi/Low, new
JD 2550 Dsl., Hi/Low, new
JD 2940 D. 1400 hrs. roll guard w/enclosure, 1981 model
JD 4040 Dsl., Cab, Air, Quad., 700 hrs., next to new
JD 4620 Dsl. w/Cab, Power shift, very nice
JD 4240 Diesel Cab, Air, Quad, Very Nice
JD 4230 Dsl., Power Shift, Roll Guard, 18x38 rubber
JD 4320 Dsl., Roll Guard Cab w/38" Rubber
JD 4020 Dsl., WF, 38" Rubber
JD 3010 Dsl. RC, Very Nice
JD 2510 Gas WF, Very Nice
JD 2440 Dsl., Independent PTO, dual hydraulic
JD 2840 Dsl., WF
JD 2640 Dsl. Roll Guard Canopy, 15x38 Rubber
JD 2630 Dsl. 16.9x28 Tires, Very Good SOLD
JD 1050 Dsl. 850 hrs., like new
JD 730 Dsl., Elec. Start, Nice
JD 60, Power Steering, Nice Condition
Ford 5000 D., Dual Power, Load Monitor, Very Nice
Ford 7000 D., Dual Power, Load Monitor
Ford TW20 Cab, Air, Duals, Like New
IH 3788 2x2 Cab & Air, 550 Hrs., Radial Tires, Like New SOLD
IH 986 Cab & Air, 18x38 Rubber, 2100 Hrs.
IH 1086 Dsl. Cab & Air, 1600 hrs., very nice
IH 886 Dsl., 4 Post Canopy, new TA, very nice
IH 826 Dsl., WF, 3,000 hrs., very nice
IH 686 Dsl., WF, 3 pt., Very Nice
IH 666 Dsl., WF, very good
IH 584 Dsl., Utility, Very Nice
IH 856 Dsl. 3 pt. WF
IH 544 Dsl., utility, 3 pt.
IH 1066 Dsl. Cab, Air, Black Stripe
IH 1066 Red Cab & Air, very good
IH 666 Gas, WF, Very Good
IH 574 Dsl., Very Nice $5,450
IH 656 G Hydro, 15x38 Rubber
IH 460 w/Fast Hitch, Good Rubber
IH 560 Dsl.
IH Super A w/Cultivator
AC 185 Dsl., WF, Very Nice

New Deutz Fahr Hay Tedders Early Buyers Save Big $$$$$

LOADER TRACTORS

IH 460 Utility w/Industrial Loader
JD 2030 Dsl. Direction Reverser w/Loader
JD 2640 Dsl. Hi/Low w/146 Loader SOLD
JD 820 Dsl. w/loader
JD 2040 D. 700 hrs. w/143 loader

CORN PICKERS

JD 300 2 or 3 Row, like new
JD 70 Tractor Power Steering w/237 Corn Picker
Farmall M Tractor w/NI Super Picker
NI 325 2 RN 12 Roll Bed
NI 324 2RW 12 Roll Bed
NI 324 2RW w/Super Sheller
NI 323 1R, picked 125 acres
NI 702 Uni-Husker w/Cab, 3R 30" Snapper Head

HAY EQUIPMENT

NH 467 Haybine, Very Good
NH Super 69 Baler, Excel. Cond.
NH 479 Haybine
JD 1209 Mower Conditioner, Late Model
JD 1207 Mower Conditioner SOLD
JD 336T Baler Thrower, 3 to choose from SOLD
JD 346T Baler w/Thrower
JD 346W Baler w/Thrower
NH 489 Haybine
NH 845-846 Rd. Balers, very nice
NH #80 3 Pt. Rd. Bale Mover
NI 456 Rd. Baler, Like New
NH 1002 Bale Wagon, Like New
NH 278 Baler w/Bale Chute Good Cond.
NH 78 Baler w/Wagon Hitch
Vermeer 605 F Rd. Baler
Hawk Built Rd. Baler
Ford 530 Baler, excel. cond.
NH 1005 Bale Wagon, single bale unloads

PLOWS

JD F145 3x16 Semi Mtd.
JD 3 Base 3 pt. Trip
JD 4 & 5 Base Semi Mtd.
JD 2500 6x18 Spring Reset
JD 1450 6x18
IH 710 6x18 Spring Reset
IH 710 5x20 Spring Reset
IH 710 5x18 Spring Reset
IH 720 6x16 Bottom on land hitch
White 5x18 Spring Reset, new
White 6x18 Spring Reset, new
IH 720 6x18 Toggle Trip

SPECIAL
NH 1049 Self-Propelled Bale Wagon, 160 Bale Capacity, Very Nice

TILLAGE

Brady 22' Hydraulic Fold Field Cultivator, Very Nice
Glencoe 7 Tooth Soil Saver
Glencoe 12' 3 pt. Field Cultivator

CORN PLANTERS

JD 7000 4 row consv., Dry Fert., Monitor, Insecticide
JD 7000 4R W. Dry Fert., Insect. Attach w/No Till Coulters
JD 1240 Plate, Liq. Fert.

CHISEL PLOWS

Bush Hog 12' or 14' 3 pt.
JD 1600 12' Pull Type
IH 55 11'

CORN HEADS

AC KL 238, A438
JD 243, 244, 343, 443, 444, 643
IH 843, 227, 844
MF 43 & 63C, 1143

DISCS

JD RWA 11'
JD AW 12'6", Very Good
JD 13' 4000 Double Offset

COMBINES

MF 540 Dsl. Cab, Air, 178 hrs., like new
1979 JD 4400 Dsl. Cab & Air, 1100 hrs., very nice
1978 JD 6600 Dsl., Cab, Air, Hydro., 4WD
1977 JD 4400 Dsl., Cab & Air, 23x26 rubber
JD 6620 Dsl., Cab, Air, Hydro, reversable feeder house, 600 hrs., like new
IH 1440 Axle Flow, Cab & Air, 1100 Hrs., Very Nice
IH 203 w/10' Grain Platform, Very Nice
1975 JD 3300 Gas, Cab & Air, Very Nice
1974 JD 7700 Dsl., Cab & Air Turbo Hydro
1974 JD 4400 Dsl., Cab, Air, Choice of Heads
IH 715 w/Cab, Very Nice, Choice Of Heads
NH 975 Cab, 11' Grain Platform, 2 R. C.H.
IH 820 13' Flex Head, Like New
New & Used JD 213 Flex Heads

Financing Available on Above Machines

Farm Bilt Bale Wagons 8x18 8 ton gear adjust. tongue, 11Lx15 tires, $1,850

MISCELLANEOUS EQUIPMENT

JD 8200 14x7 Grain Drill w/Grass Seed
30-5L 532 Tires & Wheels, Like New
Bushhog 5' Rotary Mower, 3 pt. New
JD 3RN Forage Head
JD & Ford 3 pt. 6' Flail Mower Planters
Insecticide boxes to fit JD 1240 & 494A Planters
18x38-18x34 Duals
Cabs to fit IH 706 thru 1466 Tractors
NH 353 Grinder Mixer, very nice
Brillion 8' Alfalfa Seeder w/Transport, good condition
IH 950 Grinder Mixer
JD 4 Row RG & RM Cultivators
Caldwell 7' 3 pt. Hitch Blade, new
JD 158 Loader, used
Ontario 14x8 Hoe Drill, very nice
IH 2R. Potato Digger, very good

1 FARM EQUIPMENT

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can upgrade your operation and improve your cash flow.

NEW & USED EQUIPMENT
Vehicles (TRAC Leases)
For Details Call:
Bob Carpenter, Carlisle, PA 717-249-3283
Joel Caldwell, Emmaus, PA 215-967-6021
Joe Stratton, Glen Mills, PA 215-339-0861

USED TRACTORS
A.C. 6080 Fully Weighted
JD 2510 Diesel Tractor
JD 620 Tractor

MANURE SPREADERS
NI 218 Spread w/Hyd. Endgate
NI 214 w/Flail Att. w/Hyd. Endgate
NI 206 Ground Drive Spreader
Hawk Bilt 187 R.H. Tank Spreader
Starline 930 L.H. Tank Spreader

UNI EQUIPMENT
709 Uni Tractor w/Rear Wheel Assist, Fully Wgted
705 Uni Tractor Fully Wgted
702 (Gas) Uni Tractor
767 Uni Chopper
760 Uni Chopper
762 Chopper Head (2 Row)
763 Chopper Head (3 Row)
717 Combine w/13 ft. Header
713 S Grain Head
724 Stripper Head (3 Row Wide)
729 A Sheller
766 Pickup Head

MISC.
12½ Miller Offset Disc
450 Art-Way Grinder Mixer
731 Bobcat Skid Loader

HAY EQUIPMENT & FORAGE
NH 495 (12 ft.) Haybine
NH 489 Haybine
NH 469 Haybine
NH 1495 Haybine Hydrostat Drive, Air, used 3 seasons SOLD
IH 1190 Haybine (used 1 season)
MF 81 (9 ft.) Haybine (nice)
NH 320 Baler w/No. 70 Thrower
NH 770 R-2 Chopper Head (2 Row Wide)
NH 880 N-2 Chopper Head (2 Row Narrow)
890A, 890W, 890-N-3 (3 Row Narrow Chopper Head)
NH Super 23 Forage Blower
Hesston 1010 Hydro Swing Haybine

COMBINES & CORNHEADS
1976 KKS Gleaner Combine w/10 ft. Hdr.
1974 300 M.F. Combine w/10 ft.
300 M.F. (Diesel) Combine
AC 238 (2 Row) Corn Head
M.F. Qt. 24 Corn Head
MF 322 Corn Head (3 Row Wide)

NEW SPECIALS
10 ft. Brillion Seeder **$2995.00**
NH 782 Forage Harvester **$8495.00**

ALLIS CHALMERS
NEW IDEA FARM EQUIPMENT
SPERRY NEW HOLLAND

A Dealer Group of CENTRAL TRACTOR FARM & FAMILY CENTER

SHARTLESVILLE FARM SERVICE
RD 1, Hamburg, PA
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H. Daniel Wenger, Prop.

FOR SALE
1,500 gal. Sunset milk tank w/(2) 5 HP Compressors; 2,000 gal. Hesston liquid manure tank spreader

FEED EQUIPMENT
1830 Jamesway Ensil mixer w/weigh scales; Jamesway belt feeder, 100' long; Jamesway belt feeder, 40' long; 24' single chain conveyor; 30' single chain conveyor, 50' single chain conveyor; 64' single chain conveyor; 100 Jamesway freestalls; (2) 24' Jamesway silo unloaders; All equipment in very good condition.
301-582-0264

NEW TRACTORS
JD 2440 Dsl. — Call For Prices
JD 2750 Dsl. TSS w/hi-lo — Call For Prices
JD 4250 — Call For Prices

NEW MACHINERY
JD 466 Spreaders
JD 215 Disc Harrows
JD 315 13' Disc
JD 660 Rakes w/rubber teeth
JD 3940 Fg Harvester
JD 2700 6Bx18" Plow
JD 16x10 FF Drill — $4,000
JD 21x7 Drill
JD 327 Baler w/ejector
JD 27 Flail Shredder
JD 965, 1065, 1075 & 1275 Running Gears

Demco sprayer ground driven 500 gal
Little Giant Elevator 38' w/hood & down spout

USED MACHINERY
1-IHC 830 Fg Harv 1981 model, PU & 2 R.C. H — $9,500
1981 White Combine 7300 w/704 N 4 Row Corn Head — $20,500
JD 6600 Combine, 1977 model, 215 Flex Head, 643 C.H 653 Row Crop Head
JD 4400 Combine 1977 Model, Motor Completely overhauled, JD 443 Corn Head & JD 213 Platform
L2 Gleaner Combine, Corn & Soybean Special, Mod. 1978 w/ A438 Corn Head, 15' Platform
JD 750 Tractor, 2 Wheel, PS — $6,500
NI Mower Conditioner 9' — $2,500

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WALTER'S SALES & SERVICE, INC.
RD 2 Box 49 Mifflinburg, Pa.
717-966-3778
JD Agricultural Dealer and CP

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SKID LOADERS WITH
- BUCKET
- FORK
- OR BACKHOE

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N. of Honey Brook off Rt 10 A, 1 Mi E on Todd Rd to White School Rd

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case IH **USED EQUIPMENT**

TRACTORS:
IH 234 4 Wheel Drive
Farmall H
Farmall 300
IH F656 Diesel
IH F706 Gas
IH Hydro 70
IH Hydro 84
IH F966 Diesel
IH F656 Gas Hydro
MF 165 Diesel

CORN PLANTERS:
IH 56 6-Row
IH 400 4-Row
IH 400 6-Row
IH 800 6-Row Plate
JD 1240 4-Row
JD 7000 4-Row
IH 78 Front Cultivator
White 5400 6-Row

TILLAGE EQUIPMENT:
IH 540 Plow, 4F, 16
JD 125 Plow, 4F, 16
IH 45 Vibra Shank
Oliver 13 Disk
Brillion 10 Ft Spring Tooth Harrow

HARVESTING:
IH 420T Baler
IH 420T Baler w/Thrower
IH 430T Baler w/Thrower
Gehl 72 Flail Chopper
Gehl FB99 Blower
IH 990 Mower Cond
IH 350 Harvester
IH 650 Harvester
IH 830 Harvester

LAWN & GARDEN
IH 125 Cadet
IH 147 Cadet
IH 782 Cadet
Cub 154 LoBoy w/Mower
Brinly Plows

MISCELLANEOUS:
New Idea 212 Spreader
New Idea 213 Spreader
IH 1150 Grinder Mixer
Bobcat 610 Loader
Bobcat 700 Loader

Swope & Bashore, Inc.

NEW HOURS MONDAY TO FRIDAY 7 AM To 5 PM SATURDAY 7 AM To 11 30 AM
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IN PA – CALL TOLL FREE – 1-800-692-7467

SPECIALS OF THE MONTH

CASE 1494 TRACTOR
75 HP Powershift
18.4x34 Power Adj. Wheels
CASH PRICE $16,500

CASE 2294 TRACTOR
130 H.P. Powershift, Cab, Demo
Waiver Interest 1/1/86 $37,500
CASH PRICE $31,800

Landoll 7 Shank Soil Controller, Demo $4500
Gehl BH1500 bale handler $1800
McConnell 12' spring harrow pull type $850

CASE 2090 CAB-AIR
110 H.P. powershift low hours
$19500

CASE 1170 Cab
120 H.P. Good Condition
$8900

USED EQUIPMENT

TRACTORS
Case 930
Case Vac
Case 1390
Case 1070
Case 1170 Cab
Case 2090 Cab
Case 885
DB 1210
Agri Power 9000
Ford B10230
JD 3010
JD 4020
MF 235
IH 84 Hydro

INDUSTRIAL LOADERS & BACKHOES
Case 580B Backhoe
Case 1737 Uniloader
Case 1835 Uniloader
AC 640 Loader

FORAGE
Gehl 99 Blower
Gehl 920 box/roof
JD 3800 Harvester
Gehl RC 800 Recutter
IH 51 Forage Box
IH 56 Forage Blower

SPREADERS
NI 206
NI 213
NI 214
NI 218
JD 54

MISCELLANEOUS
MF 41 Sickle Mower
NI 404 Rake
2 Row Hershey Transplanter
2 Row 3 pt. Mechanical Transplanter
JD 214T Baler
IH 225 Hayswather
Wetmore 878 Grinder Mixer
OMC 217 Mower-Conditioner
IH 56 Planter 4-Row

NEW IDEA
270 Cut-Ditioner
279 Cut-Ditioner
838 Uni-Husker
325/329 Picker Sheller
325/327 Pickers
323 Pickers
702 G Power Unit
710 Combine
743 N Head
767 Harvester

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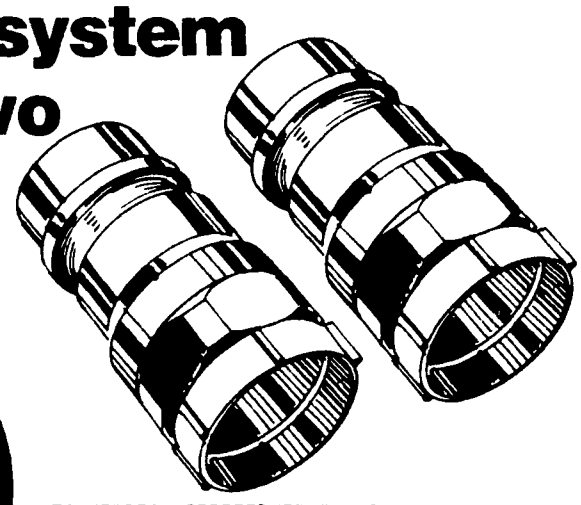
PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

case IH NEW IDEA HEDLUND MARTIN GEHL Gets into your system BUSH-HOG

PARTS VALUE OF THE MONTH

Modernize your tractor's hydraulic system and get two FREE male tips



SAVE UP TO **22%** off regular IH suggested list prices

Enjoy the efficiency and convenience of being able to hook up any ISO-equipped cylinder to your Series 66 86 or 88 tractor You ll get your chores done faster and more effectively

AND for a limited time during our Hydraulic Power Days Sale, get two FREE male tips Just clip this coupon and come in and save!

Free Male Tips!

When you purchase an IH ISO hydraulic coupler conversion kit we ll give you–free of charge–two ISO tips

Come in today with this coupon

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Offer valid until June 30 1985 only Available at participating dealerships only

case PART MART

HYDRAULIC POWER DAYS

Big Inventory Of New Parts Call Us First!

WE SHIP UPS DAILY!

USED EQUIPMENT

TRACTORS:
IH Farmall "C"
Int. 460 Farmall Gas
IH 504 Gas SOLD cycle, Ex. Cond
IH 544 Gas w/wide Front End
IH 674 Diesel, overhauled, Painted
IH 806 Diesel, WF, 3 Pt., Turbo – $6895
Farmall Super C w/Fast Hitch & Cult.
AC Model "G" w/cult., Plow, Sickle Bar-Real Nice, ~~$1,800~~ -$1,700
Farmall 400
Int. F12 w/cult.
IH 450 Gas, wide Front – $1,950
IH 404 Gas Low Utility, 3 pt. Hitch, w/Mott Mower, Engine Overhauled
MF 33 w/3 pt. Hitch
MF 235 Diesel w/236 Q Loader-Coming In!
IH 240 w/Fast Hitch
JD "B", Hand Start, Lift with 1-Bot. Plow & Disk – good shape! – $1,150
Ford 641 Dsl w/Allied Loader, Real Nice - ~~$4,250~~, Now $4,150

TILLAGE:
Case 4-Bot. 16" Hyd Auto Reset Plow
Athens 11 Ft. Chisel Plow, 3 pt Hitch
Brillion 16' Single Packer, Like New
Brillion 10' Packer Mulcher
Brillion 12' 3 pt Hitch Chisel Plow, Like New!
Pittsburg 11'6" Disk
JD KBA Disk, 9' – $750
JD KBA 12' Disk
JD 1710A 12' Trailing Mulch-Tiller
IH 37, 35 In Various Sizes
IH 540 4-Bottom Semi Mtd Plow
IH 645 Vibra Chisel, 13½', Trailing
IH 45 Vi SOLD Cult., 12½', Traili SOLD $1,250
IH 315 12'4 Packer Mulcher
Int. 315 SOLD ker Mulcher
1-Bot. Trailing Plow
Vicon 10' Power Harrow – ~~$2,500~~ – Now $1,800

MATERIALS HANDLING:
Front Mtd. Forklift for 20 Series JD Tractor
Farmhand Loader for IH 74 Series Tractor
MF 711 Skid Loader w/Bucket
IH 2000 Loader, Less Bucket, Mount for IH 275

PLANTERS:
JD 1250, 6-Row, Dry Fert., Nice Shape!
IH 2-Row Fast Hitch
IH 2-Row Trailing
IH 400 6-R SOLD Cyclo, No Till Attac real Nice Cond.
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert
4 & 6 Row Cyclos, Field Ready!
JD 1240 Plateless, Liq. Fert., 30" Rows w/DEMCO Squeeze Pump – Nice!
JD Van Brunt 13x7
JD 15x7 Drill, DD, Comb
IH 510, 16x7 Comb Drill w/2 Grass Seed Boxes
IH Fast Hitch, 2 Row Cult., Like New
IH 200, 3 pt Hitch, 2 Row Cult., Like New

HAY & FORAGE:
Int 56 Blower, Rebuilt
IH No. 51 Forage Wagon
NH No. 26 Blower
NH No. 27 Blower (Whirl-a-Feed)
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper
(2) NH No. 6 Crop Carrier Forage Wagons - good shape – $1,150 ea
1014 Hesston Mower Cond
NH 269 E SOLD o Thrower
IH 420 Baler w/o Thrower
(2) IH No. Bale Throwers
Grove Bale Wagon
5026 Elec. Wheel, 8 ton Gears
IH Direct Cut Head For 15 or 16 Chopper
IH No. SOLD e

IH PARTS COMBINES:
IH 315 Hydro & Plat
IH 315 Gear & Plat
IH 403 Gear, 4R Wide Hd & 12 Ft. Plat.
IH 227 Cornhead

OUTDOOR POWER EQUIP.
IH 149 w/42" Mower
IH 1250 w/Mower
IH 1282 w/42" Mower
IH 1650 w/Mower
Cub Cadet 108 w/Mower
Cub Cadet 106
Cub Cadet 127
(2) Cub Cadet 105's w/mowers
(2) Model 7016 Simplicitys w/42" Mowers-Nice Shape!
Cub LoBoy w/Mower
184 w/60" Mower
1820 Grass Hopper w/52" Mower

COMBINES:
JD 6620 Diesel Hydro, 1980 Ex. Cond.
715 Diesel Hydro, Air Cond., w/13' Floating Cutter Bar and 744 Cornhead
AC FKS Diesel 4-Row Narrow Cornhead, 13' Platform, Nice Shape!
810 13' Cutter Bar, Like New
IH 430 WN 30" Cornhead
IH 315 Hydro w/12' Platform, Field Ready, w/PU Wheel & Hyd. Lift
IH 227 Cornhead, fits 315, 205 or 203
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

MISCELLANEOUS:
New FMC DO-10E 200 S, Electric Start, Pull Type or Skid Mount Sprayer, 200 Gal. Stainless Steel Tank w/10 GPM Pump – $3,150
McCurdy 20' Trailing Harrogator – $1,300
SIMMS Cab & Roll Bar Enclosure for 574 Series Tractor – $750
ARPS 3 pt. 78" Snowblower
New Midwest 9' Grain Body For Truck, – $1,350!
Athens 15' Bat Wing Mower (In Stock)
Melroe No SOLD Rock Picker, like new
ROSCO 1 to 1½-Ton Roller, 7 HP B&S Engine, Nice Shape – $2,000

As a new Case International dealer right from the start we re putting you first with a choice of three great savings plans on new ag machines and implements* Now through May 31 1985

8.8% A.P.R. Guaranteed
On new tillage crop production and harvesting equipment

OR 0% interest 'til January 1, 1986
In lieu of special 8 8 financing choose Waiver of Interest and save

OR a big cash-back rebate
In lieu of special financing Rebates vary by model and attachments so ask us for details

Now's The Time...This New CASE-IH Equipment In Stock And Available For Immediate Delivery!

Stop In And See Our 1st New CASE-INTERNATIONAL 2090 TRACTOR IN STOCK

Tractors:
234 Hydro, Gear, 2WD And 4WD Avail.
244, 2-WD and 4-WD
254, 2-WD
274 D Offset Tractor
385 Diesel, 35HP
684 Diesel
584 Row Crop Diesel w/Forward And Reverse Trans.
584 Utility w/HD Front End And Forward & Reverse Trans. w/K & W Loader
Hydro 84 Row Crop
5088 w/18.4x38 Dual Radials, Heavy Duty Front End
5288 Rental Unit
5488 w/20.8x38 Radial Duals and Hvy Duty Front End

Combines:
820 15 Ft. Head
810 13 Ft. Head

Grain Drills:
5100, 18x SOLD m
5100, 16x7 Combination

Cultivators:
183, 4-Row Wide
181, 15' Rotary Hoe (2)

Soil Preparation:
145, 3-Furrow Rollover
720, 6-Furrow on Land
730, 4-Furrow Vari Width
735, 6-Furrow Vari Width-old, old price

Chisel Plows:
5513, 3 Pt. – 13 Ft.
6511 Consertil, Demo – 11 Ft
4623 Field Cult Trailing, Demo. – 23 Ft.
4630 Field Cult. – 30 Ft

Sub-Soilers:
No. 10 Subsoiler Chisel, 5 or 7 Shank (2)
No. 14 Auto. Reset, 5 or 7 Shank (2) Demo Unit, Rental Avail.

Disk Harrows:
496, 18'7, 7½" Spacing, Cushion Gang
496, 19'1, 9" Spacing, Cushion Gang
496, 22", 9" Spacing, Cushion Gang

Planters:
800, 4-Row Plate, On Rental
800, 4 Row Air, Just Received

Packer Mulchers:
415, 12'2
415 SOLD
415, 20'10

Hay Equipment:
428 Baler
3450 Round Baler
1190 Mower Cond., 9' (2)
35 Hyd. Drive Rake

For. Harvesters:
781 & 881 Models
600 Blowers
No. 10 Flail Chopper
No. 50 Shredder

Materials Handling:
2250 Loader
2350 Loader
530 Spreader
540 Spreader
560 Spreader
550 Spreader
595 Spreader

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- ★ Jamesway
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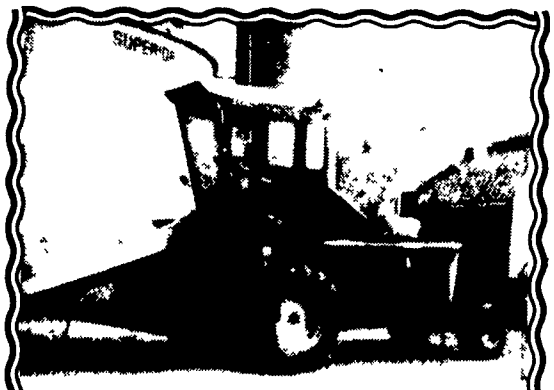
- ★ John Blue Sprayers
- ★ FMC Bean
- ★ Brouwer Turf Equip.
- ★ Grasshopper Mowers
- ★ Myers Forage Wagons
- ★ Ag Chem Sprayers & Parts
- ★ Northwestern Skid Loaders
- ★ Woods Mowers, Blades & Backhoes
- ★ Trailblazer Foam Markers



702 Uni System, 72 Model 150 Hours, Diesel
767 Super Chopper With 3 Row Narrow & Grass Pickup
729 A Sheller With 3 Row Narrow Field Ready
Reduced $15,000
717-264-1154

NEW HOLLAND EQUIPMENT
Low APR - Cash Rebates
Free Financing

New Forage Equipment		Cash Rebate
NH 718 chopper	$5,900	$650
NH 782 chopper	$8,791	$650
NH 25 blower	$2,000	$125
NH 28 blower	$2,750	$125

New Hay Tools

NH 311 baler	$6,900	$400
NH 316 baler	$8,100	$400
NH 256 rake	$2,000	$100
NH 258 rake	$2,600	$100
NH 489 haybine	$7,800	$350

Used Equipment

NH 469 haybine, A1 Shape	$2,500
JD 14T baler w/motor	$600

Lake Ariel Hardware & Supply Co.
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NEW EQUIPMENT
Tye 10' no-till Drill, available for rent
Bush Hog 18' Wing 1455 Disc Harrow
Gehl BU 960 16' 3 beater Forage Boxes
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Gehl 1540 Forage Blower
Gehl FB 99 Forage Blower
Gehl 1060 Forage Harvester
Hesston 1150 12' Windrower
Hesston 6555 14' SP Windrower
Hesston 70-66 62 HP 4 WD Tractor w/Loader
Gehl 4610 44 HP Skid Loader, Dem.
NI 351, 353, 354 manure spreaders
Century 500 gal. 35' boom centrifugal pump field sprayer
NI 406 hyd. drive hay rake

NI 900 4 RN double frame, no-till corn planter
NI 900 6 RN single frame, no-till corn planter
Waiver Avail. 4/1/86

USED EQUIPMENT
Ford 1900 Tractor w/Dunham 1120 Loader, like new, 189 hrs.
Century 225 Amp Welder
Better Built PTO Cyntrifugal Manure Pump
Vicon 3 pt. 8 wheel wheel rake
3 pt. 4 wheel wheel rake
Dyna-Hoe tractor & backhoe w/2 buckets
Mohawk 3 pt. 9 shank chisel plow
Hesston Field Queen 7600 SP Harvester w/heads
Gehl CB1000 forage harvester, elec control
IH Model 16x7 10 Grain Drill w/Grass Seed
Dion 3 Beater Forage Box

UNI EQUIPMENT
Uni 803 A uni power unit w/868 harvester
705 diesel uni w/cab
702 diesel uni w/cab
701 uni w/cab
767 super chopper harvester
(2) 766 haypick

USED RIDING MOWERS
Ford Model 100 10 HP
Gilson 16 HP Hydro. 48" Mower
Dynamark 10 HP
White LGT 1610 16 HP

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Umberger's Of Fontana, Inc.
RD 4, Lebanon, PA (Fontana)
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Mon.-Thurs.-7:30-5:00;
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Gas or Diesel
DYNAMOMETER TESTING
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2 HP Briggs & Stratton
$109.00. Others Avail
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All Steel Frame Hay Wagon, 8x18
$1,195
All Sizes, Steel Hay Feeders
24' Feeder On Whls. $675
Self Locking Panels
$30 Per Panel
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Badger Rental Tank
3350 Gal.
List $11,195
SALE **$5460**

EQUIPMENT FOR SALE OR LEASE
BADGER
3,350 gal. liquid manure tank
1,500 gal. and 2,300 gal. vacuum tank
210 & 330 Bushel Manure Spreader
Lagoon Pump
Lagoon Super Mixer
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Handy High Pressure Washers
Oswalt Mix Wagons
Grain Drill with band seeder
Post Hole Digger
PTO SNOW BLOWERS IN STOCK

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1066 Lincoln Way West, Chambersburg, Pa
Phone 717-263-8424

SPECIAL OF THE WEEK!
DEMO UNILOADERS w/NEW WARRANTIES
1816C CASE UNILOADER 42" Bucket - One Only — Cash Price $5,700
1835B CASE UNILOADER 60" Bucket - One Only — Cash Price $11,900

USED EQUIPMENT IN STOCK!

TRACTORS:
Case 970 Black Knight
Case 870 Black Knight
Case 1190 w/Low Hours
IH 1468
Case 2290 w/2300 Hours

FORAGE BOXES:
(2) Grove Hyd. Drive-Reduced!
(2) Meyers 3 Beater w/Roof-Reduced! 1 Has Tandem Axles
JD 216, No Roof

WINDROWERS:
IH 375 Diesel 12' Self Propelled w/Cab
Hesston 520 Gas, 12'
OMC 235 12' Center Pivot, Field Ready
Hesston 1014 12' Center Pivot
Hesston 1010 10' Center Pivot
Hesston 1014 12' Side Pivot
Case 555 9' w/New Knife and Ready To Go
(2) JD 1209, 9'

BLOWERS:
(4) Gehl 99's, Good Cond.
Kools KB 30
JD, Fox & Oliver Kools

DEPENDABLE MOTOR CO.
East Main St., Honey Brook, Pa. 215-273-3131-273-3737

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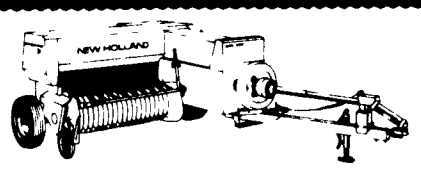
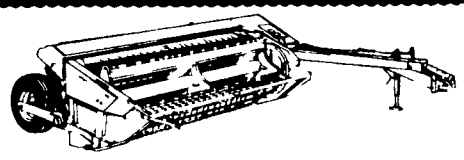
NH #70		$2,350
NH #256 Steel		$2,345
NH #258 Steel Tine Rake		$2,770
NH #499 Haybine		$15,900
NH #316 Baler w/70 Thrower		$10,950
NH #489 Haybine		$8,500
NH #456 Mower		$2,470

NH #718 Harvester (Demo)
NH #782 Harvester, Metal Detector (Demo)
NH #28 Blower $2915
NH #770W Pickup Head $1925
NH #8 Forage Box, 3 Btr. and Roof w/234 Wagon and 13:50 Tires, Adjustable Tongue $7,250
NH #355 Grinder Mixer, Hydraulic Drive $7,430
NH 425 Rental ..... Call

SPECIAL DEAL
363 Tank Spreader $3095





PLUS MORE EQUIPMENT IN STOCK - CALL TODAY

- Waiver of Finance On All New & Used Hay & Forage Equipment Till September 1, 1985
OR
- Cash Rebates Up To $6300
OR
- 0% Financing - 12 Mos.
- 5% Financing - 18 Mos.
- 7.9% Financing - 24 Mos.
- 9.9% Financing - 36 Mos.
- 11.9% Financing - 48 Mos.

DEPENDABLE IS MORE THAN OUR NAME

DEUTZ DEUTZ DEUTZ

BRAND NEW
DX 120
110 H.P.

Cab, Air, Heat,
11.00x16 Front
Tires, 18.4x38 Rear Tires,
Front & Rear Weights

FULLY EQUIPPED
$23,900
ONE ONLY

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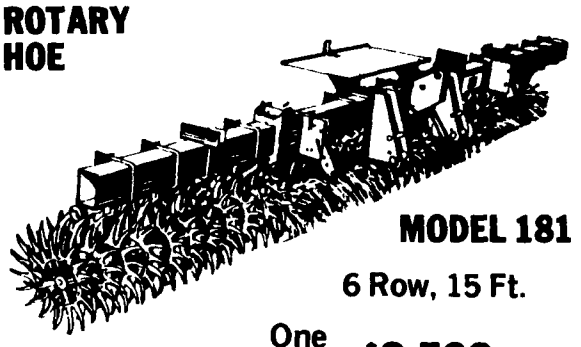
QUALITY HAYMAKER!

International® 1190 Mower-Conditioner

- Rolls separate automatically when header is raised so you can clear slugs from your tractor.
- Simple equalizer hitch lets you turn sharp without losing performance.
- Intermeshed rubber conditioning rolls.

Get High-Speed, Low-Cost Weed Control

NEW INTERNATIONAL® ROTARY HOE



MODEL 181

6 Row, 15 Ft.

One Only **$2,538**

International® 183 Row-Crop Cultivator knocks out weeds fast!

In Stock . . . Ready To Go!

One Only **$1,975**

Your Choice

00 *Looking For A Good Deal... See Us Now!*

BIG CASH REBATES And WAIVER OF FINANCE Till January 1, 1986

OR

8.8% FINANCING Up To 60 Months

OR

BIG, BIG CASH REBATES

GOOD CLEAN USED EQUIPMENT

HAY & FORAGE

- IH #7 Flail Chopper
- NH 36 Flail Chopper
- NH 850 Rd Baler
- 234 Wagon w/Adjustable tongue flotation tires
- IH #40 Shredder 4 Row
- NH 2 Row Snapper 30" Rows
- NH 718 Chopper w/Head
- Dion Wagon and Gear
- NH 849 Round Baler Baled Only 26 Bales
- NH 56 Hay Rake
- NH 315 Baler Ex Condition
- NH 256 Rake
- NH Model 495 12 Ft Haybine
- Pequea Hay Tedder Model 710
- NH 1469 SP Haybine w/Ford Water Cooled Engine Ex Condition
- NI 3 Pt Hitch PTO Hay Rake

TRACTORS

- IH 504 Tractor
- Farmall 460
- IH 584, 360 hrs like new
- Deutz Model 4506 w/Loader 1000 Hrs Ex Condition
- IH 706D Nice
- Ferguson 30 w/Woods Mower
- IH 656 Wide Front 3 Pt

PLANTING & SEEDING

- IH 460 Planter w/Liquid Fertilizer 4 Row
- IH MF Drill 16x7 Disc Opener
- JD 16x7 Grain Drill Disc Openers
- IH 56 Planter, 4 Row Dry Fertilizer Ex
- IH 400 Planter 6 Row w/Dry Fert

TILLAGE

- Oliver 4 Row Cultivator
- AC 10 Ft Disk Harrow

SPREADERS & GRINDER MIXERS

- NH 353 Grinder Mixer Like New
- NI 218 Spreader w/Gate Tandem Axle Nice 10 Ton
- NH 519 Spreader w/Top Beater Gate, Splash Guard
- NH 516 Single Beater
- NH 676 Spreader w/Hyd Gate
- NI 214 Spreader w/Double Beater, Original Paint On Floor Like New
- NI 218 Spreader w/Tandem Axle New Web
- NH 790 Spreader w/Hyd Gate
- NH 791 Spreader w/Hyd Gate

SKID LOADERS

- NH L425 Skid Loader (Renter)
- NH 775D w/Bucket Good Condition
- Case Skid Loader 30 H P w/2 Buckets
- NH L775 Skid Loader w/D130 Backhoe Ex Condition

GOOD USED HAYBINES

- NH 479, 9 Ft. w/Flotation Tires
- Hesston 1090 Mower Conditioner
- Hesston 1010 Hydro Swing Mower Conditioner
- Int. 1190, 9 Ft. Mower Conditioner
- NH 469, 9 Ft. Haybine
- NH 495, 12 Ft. Haybine, Ex. Condition
- Pequea 7 Ft. Hay Tedder

GOOD USED FORAGE EQUIPMENT

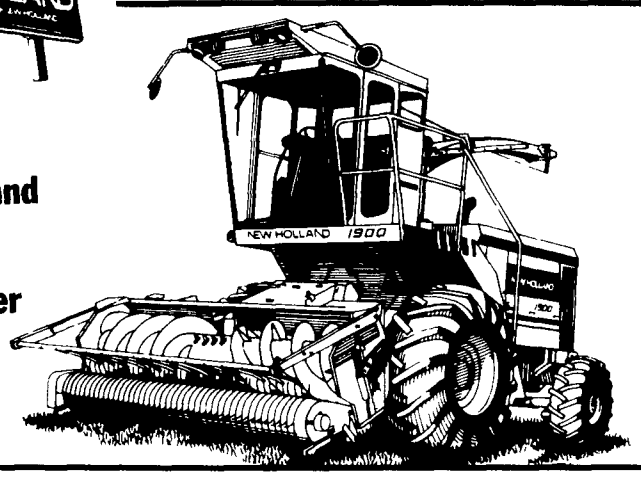
- NH 1900 Forage Harvester, S.P. w/4 Row Cornhead & Pickup Attachment
- IH 830 Forage Harvester, 3 Row Cornhead & Pickup Attachment
- IH 555 Forage Harvester w/Cornhead & Pickup Attachment
- IH 717 Forage Harvester w/Cornhead & Pickup Attachment

ATTENTION FARMERS: If Parts Are Needed After Hours To Keep You Going. Call Jay Gainer, Our Parts Mgr. At Home 653-2238.

YOUR HAY MACHINE HEADQUARTERS

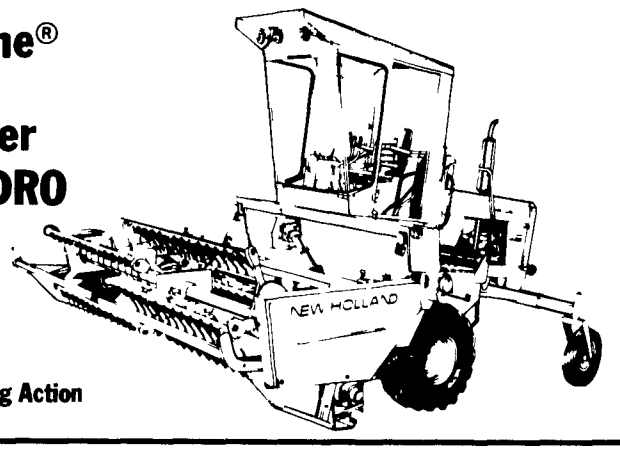
NEW HOLLAND

A NEW GIANT: New Holland 1900 Forage Harvester



Hay In A Big Way!

1495 Haybine® Mower/ Conditioner DIESEL HYDRO



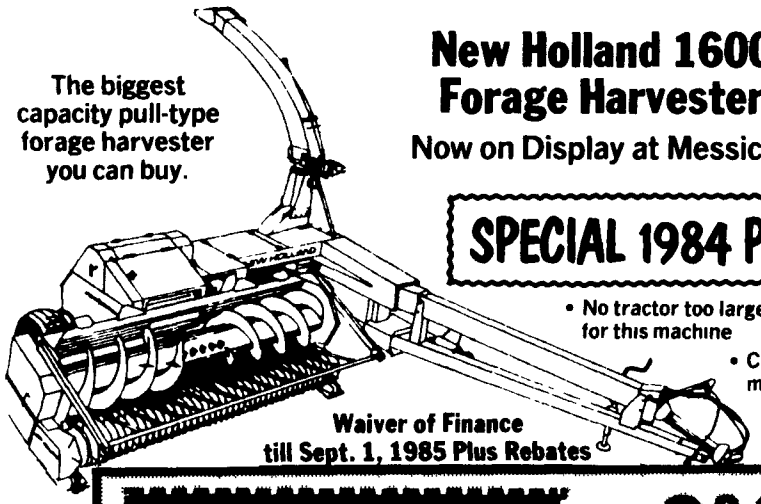
- 12 ft. Cut w/9 ft. Conditioning Rolls for Faster Drying Action

The biggest capacity pull-type forage harvester you can buy.

New Holland 1600 Forage Harvester

Now on Display at Messicks

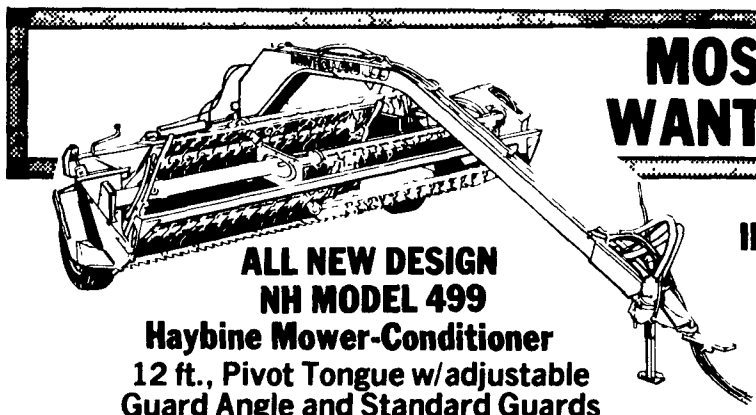
SPECIAL 1984 PRICE



- No tractor too large for this machine
- Cuts ⅓ the cost over most s.p
- Available in 3 or 4 Row Heads

Waiver of Finance till Sept. 1, 1985 Plus Rebates

MOST WANTED



ALL NEW DESIGN NH MODEL 499 Haybine Mower-Conditioner

12 ft., Pivot Tongue w/adjustable Guard Angle and Standard Guards 9 ft. Conditioning Rolls

IN STOCK READY TO GO

BULLETIN **0% FINANCING** On All New Holland Equipment

0% FINANCING FOR 12 MONTHS

- Waiver of Finance On All New & Used Hay & Forage Equipment Till September 1, 1985

OR • Cash Rebates Up To $6300

OR
- 0 % Financing - 12 Mos.
- 5 % Financing - 18 Mos.
- 7.9% Financing - 24 Mos.
- 9.9% Financing - 36 Mos.
- 11.9% Financing - 48 Mos.

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Old 2 cylinder JD fly wheels, rebuilt with our special steel draw-in tub to tighten on warn or new crank-shafts. New manufacturers fly wheels with same steel hub are also avail. Additionally these same hubs are now avail. for fitting by your local machinest.

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NEW TRACTORS
Hydro 84

NEW EQUIPMENT
5100 Grain Drill, 16x7
475 Disk Harrow 12 ft.
2250 Loader w/72" Bucket
335 Running Gear 20,000 lbs.
510 5 Furrow Plow, 18"
86 Rake
15 Baler Thrower

USED TRACTORS
MM Model ZB w/blade
Farmall H
1450 Cadet w/44" Mower
86 Cadet w/38" Mower

USED EQUIPMENT
Woods model C114 rotary mower
Int'l 411 rotary mower

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LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

JOHN DEERE *Nothing runs like a Deere*

CLUGSTON IMPLEMENT, Inc.

NEW TRACTORS
JD 4250 MFWD Sound Guard
JD 4250, PS, SG
JD 2950
JD 2750
JD 2350 MFWD
JD 2255
JD 2150
JD 1650, 1450
JD 950
JD 750 MFWD
JD 300B Loader/ Backhoe
JD Trac Loaders Model 75, 100, 245, 260

USED CORNPLANTERS
White S400 6 R.N- w/no-till

NEW TILLAGE
JD 215 Disc
Haybuster No-Till Drill Also for Rent

NEW HAY & FORAGE EQUIPMENT
JD 5720 SP Fg. Harv.
JD 3970 Fg. Harv.
JD 3950 Fg. Harvester (1) w/iron guard
JD 347 Balers
JD 530 Rd. Baler
NH 849 Round Baler
NH 489, 499 & 1495 Haybines
NH 411 Disc Mower Conditioner
NH 258 Rake
JD 660 Rake
Miller 2150 Forage Wagon
NH Forage Wagon
Kuhn Hay Tedders & Rakes
Kuhn 10' Disc Mower/Cond.

NEW SPREADERS
NH 791
Martin S1466 & S1678 Scavenger
Martin Equilizer
H&S 295 Spreaders

USED TRACTORS
JD 3020

USED HAY & FORAGE EQUIPMENT
JD 2 Row Narrow Corn Heads
Hesston 1010 & 1014 & 1090 Mower Conditioners
Hesston 10 Stackhand w/Stack Mover
NH 495
NH 479 Haybine
NH 2 Row W 880 Head
NH 278 & 269 Baler w/Thrower
JD 336 Baler
Ford 530 Baler w/Thrower
Oliver 720 Baler w/Thrower
NH 2 Row W Snapper Head for Forage Harv.
Fox 3000 Harvester w/Heads
JD 343 Corn Head for Forage Harv.
NH 26 Blower

NEW PLANTERS
JD 7000 4 & 6 Row Consv.

NEW DRILLS
JD 8250 14x7
JD 8300 18x7

NEW MISCELLANEOUS
Demco Sprayer 600 gal.
NH Grinder Mixer 355

USED MISCELLANEOUS
NH 357 Grinder Mixer
Badger Lagoon Manure Pump
Used JD Transport Disc
Used Case 1845 Dsl. Skid Loader

USED SPREADERS
NH 329 & 518 Spreaders

NEW SKID STEER LOADERS
NH 455, 555
Bobcat 643, 743, 843

Ask About Waiver of Finance
on NH & JD Equipment
1 Block off I-81 Exit 8
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Phone: 717-263-4103

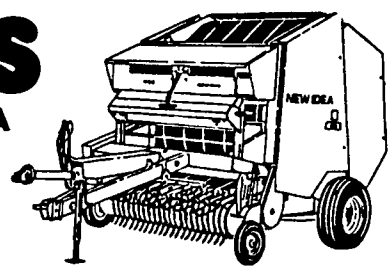
bobcat SPERRY NEW HOLLAND

The Time Is Right.. The Price Is Right!

NEW IDEA SAVINGS

MODEL 486 NEW IDEA ROUND BALER
- 1800 lb. Bales
- Endless Belts
- Dual Gauge Wheels
- List $13,900

SALE PRICE $9,950



MODEL 384 SOLID PLUS NEW IDEA SPREADER
- 2250 Gallons
- Flotation Tires
- List $13,939

SALE PRICE $9,995

★ Sales! **NEW IDEA FARM EQUIPMENT CORPORATION** ★ Service!

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Churchville, Maryland

Call Ray or Ed
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or
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1 FARM EQUIPMENT

RINGTOWN FARM EQUIPMENT

NEW TILLAGE EQUIPMENT SPECIAL PRICE
370 Disc, 11'6" — 720 auto. reset plow, 5 btm.
475 Disc, 17'5" — 5500 Trailing Chisel plow, 10'

NEW EQUIPMENT
784 4WD
234 4WD, auto
4600 Vibrashank 22'9"
475 disk, 17'5"
18x7 comb. drill
16x7 comb drill
370 disc, 11'6"
720 auto reset 5 btm
2250 loader
#50 Shredder
800 Cyclo planters, 4 row
IH 5500 trailing chisel plow 10'
IH 5500 mtd chisel plow, 9'
IH 5500 mtd chisel plow, 7'

USED EQUIPMENT

IH 1086 w/Cab, New TA, New Clutch, Fresh Paint, Real Sharp!

IH 1256 tractor
500 crawler (Row Crop)
666 Farmall G
Farmall C
Farmall SC w/Cults.
Haines bulk bodies
Ziggy bulk body, 16'
Massey Harris drill 16x7
Potato planters
JD 2 row potato diggers
Gehl CB 400 Forage Harvester 1 Row Corn Head, Hay Pickup
Iron Age potato planter, 2 row
IH forage blower
Holland transplanter
IH 46 baler
400 Cyclo planter 4 row
IH 4 btm. semi-mtd. plow
Haines Stone Pickers
(2) IH 234 Corn Pickers

JD 7000 Corn Planter, 4 row wide, no till or minimum till, dry fertilizer Real Good Buy!

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New Cash Deals, Low Rate Financing or Waiver of Finance

RD 1, Ringtown, PA
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Since 1949

SPECIAL

SPECIAL PRICES
On New Clearance Items
Gehl CB 1000 Forage Harvester w/2 Row Corn Head and Pickup Head
Gehl FB 99 Blower
Gehl MX135 Grinder Mixer

USED TRACTOR
1969 JD 4520 w/Power Shift & ROPS — $10,500

Vernon E. Stup Co.
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Frederick, Md. 21701
301-663-3185

SPECIAL

VERMEER — HEDLUND MARTIN INC — Vicon

NEW EQUIPMENT:
(2) Vicon 600 Lb. Fertilizer Spreaders
(2) Vicon 900 Lb. Fertilizer Spreaders
(2) Vicon 1400 Lb. Fertilizer Spreaders
(2) Vicon 1900 Lb. Fertilizer Spreaders
(1) Vicon 20 Ft. Hay Tedder
(2) Vicon KM 321 Mower Cond., 10'6" Cut
(2) Vicon KM 281 Mower Cond. 9'6" Cut
(1) Vicon CM 165 Disk Mower, 5½' Cut
(1) Vicon 5 Wheel Rake
(1) Vicon 8 Wheel V-Rake
(2) Vicon RP 1210 Round Balers
(1) Vicon SP 450 Square Baler w/Thrower
(1) Vicon SP 460 Square Baler w/Thrower
(1) Vicon 230 Gal. 3 Pt. Field Sprayer
(1) Vicon 510 Gal. Trailer Sprayer
(1) Vicon 15 Ft. Power Harrow
(1) Vermeer 504H Round Baler
(1) Vermeer 605H Round Baler
(3) Vermeer 107 No. Till Grain Drill, 10 Ft. Width
(1) Vermeer HL12 Bale Mover (Stacks Bales 3 High)
(1) Hedlund Martin 1263 Scavenger II Spreader

USED & DEMO. EQUIPMENT
(1) Speedy Wagon Round Bale Mover
(1) Int. 620 Press Grain Drill, 7" Row Spacing

RED WING FARMS
R D #1, FLEETWOOD, PA 19522
PHONE NUMBER: 215-944-0402

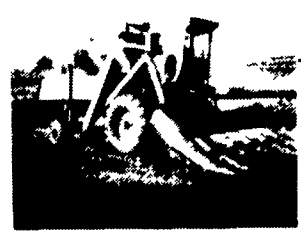
NEW EQUIPMENT SPECIALS

AC 7010 Tractor w/Cab (Loaded)
Priced For Quick Sale

AC 2500 Cushion Gang, Center Fold Disc Harrow
17½'
$6,350

NH 520 Spreader w/Splash Guard, Hyd. Endgate, Top Beater (Must Move)
$5,600 Cash
NH 520 Spreader w/Single Beater $4,575
Several Other Size Spreaders At Excellent Prices

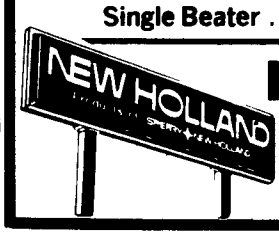
Used Specials w/Special Prices



A.C. Gleaner LKS
630 Corn Head
315 Flex Grain Head

N.H. 852 Rd. Baler
A-1 Condition
$6,800 (Sale Price)

AC 7030 Tractor w/Cab $9,500
AC D-15 Series II Tractor $2,950
AC D-17 Tractor w/New Idea 504 Loader $2,750
AC 303 Baler w/Thrower $750
Oliver 1250 Tractor $1,750
NH 676 Spreader Single Beater $2,350
NH 517 Spreader 3 Beater $1,500
NH 276 Baler w/58 Thrower $2,950
NH 555 Skid Loader (Diesel)
NH 784 Skid Loader (Gas)



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AC 7040, 7030, 6080, 6060, 200, 190XT, D17's, D-15's, CA
Farmall 706 diesel, 686, 666, 340 M, H, 140 w/cultivator, 230, 100 high clearance, Super A, 154 w/Mower, Cub
Ford 6600, 4000, 2000, 800, 600, 8N's
JD 5020, 4020 diesel, power shift, 4323 w/cab, 2640, 3020, 2510, 1010
MF 265, 175, 135, 35

USED MOWER CONDITIONERS

Hesston PT7, PT10, & 1090
NH 474, 477

INDUSTRIAL

JD 2010 Crawler Loader, exc. Cond.
NH 225 Skid Steer
JD 2010 Diesel Dozer w/Winch
Case 580C tractor loader backhoe w/cab
AC 655 Crawler Loader
JD 450C Crawler Loader Backhoe
Case 1816B Skid Steer
Bobcat 611 Diesel Skid Steer
Ford 515 Diesel Tractor Loader, 3 Pt. & PTO
4 Used JD 440 Series Log Skidders
Used Pettibone Log Skidder

MISCELLANEOUS

10 Used NI, NH & JD Roller Bar Side Rakes
Used 3 Pt. Chisel Plow
New AC Conv. & No-Till Corn Planters
3 Used AC 4 Row No-Till Corn Planters
1 Used AC 4 Row Conventional Corn Planter
Used Ford 4R Conventional Corn Planter, Like New
Kory Running Gears, 6, 8, 10 & 12 Ton Tandem
12 Used Transport Discs, 8' to 16'
Used Reset Plows, IHC 700 6 Bottom & 710 3 & 4 Bottom
Ford 3 Pt. Hitch, 3 Bottom & 5 Bottom Semi Mount
AC 4 & 5 Bottom Semi Mounts
8' Brillion Cultipacker Seeder, Used
New Brillion 14' Fold Up Transport Spring Tooth Harrow with Danish Tine, One Only At $1575
Used Fahr & Grimm Hay Tedders
AC Mark 2900 Power Unit w/Clutch, 100+ HP, Only 225 Hrs., Like New
4 R 3 pt. Cultivator w/Side Dresser Attach.

LIQUID MANURE EQUIPMENT

1 Used Badger Model BN184, 34' Basin Agitator Pump
Feed Easy 3,000 Gal. Liquid Tanker
Patz 3,000 Gal. Liquid Tanker
Better Built 1500 Gal. Liquid Tanker
Martin 1666 Scavenger Spreader

USED BALERS WITH THROWERS

NH 273, 275, 310 w/Pan Thrower, 315
IHC 425

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NI 7' & 9'

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Hesston 5600 & 5800
NH 850, 847

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IH 584
IH 186 Hydro
IH 1086
4 Bt. 2 Pt. Hitch Plow
Used Combines
AC 7000
IH 544
IH 364
Irrigation Pump w/Motor
IH 185 Low Boy w/Mower
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JD 2350
(2) JD 2550
JD 2750
(4) JD 2950
JD 4050, QR, MFWD
JD 4450, SG, PS

Coming In, 78 JD 6600 Side Hill, 1900 hrs., 643 corn head, 215 platform, loaded & sharp
JD 4400 Gas, rotary screen, cab, AC etc
Coming In, MF 760 combine w/hydro, cab, AC, 1163 corn head, platform
510 MF w/16' platform & 4 row corn head
750 MF w/14' platform, air cond., hydro, good $19,500
(2) JD 444 corn head
NI 314 2 row pull type sheller
NI 323 picker, 1 row, excellent
Waiver on New & Used

GREEN VALUE EQUIPMENT

USED TRACTORS

60 h.p. JD 2440, hi-low, 16.9x30, approx. 400 hrs., like new
JD 2010 Gas, nice $3,600
JD 630 Tractor, nice $2,800
JD 950 Tractor, 50 hrs., excellent
MF 65 tractor, good, new tires, reduced $3,200
JD B tractors, nice, reduced $900 each
Farmall C w/mower, plow, sharp, reduced $1,900
Farmall H, reduced $1,000
IH 350 utility, fast hitch
40 h.p. AC D15 Tractor, good, $3,200
Ansel cab w/AC and heater, AM-FM, fits late style 2440, 2640, excellent, $1,800

TILLAGE

IH transport disc, 12' good
12' Heavy Ford disc, like new
6 (2, 3, 4, 5 bottom plows
9' Case transport disk
18' transport harrow
JD BWA disk harrow 12

DRILLS & PLANTERS

JD 246 planter, very good
JD 1440 no-till planter, dry, insect., very good
JD 1240 planter, good cond
(2) JD 7000 4 row conservation planter, dry insect., markers, monitor, excellent
MF Grain Drill, steel wheel, nice
(2) IH 56 4 row DD, dry fert
4 Row Oliver, dry insect. disk, reduced $1,500

HAY, FORAGE & MISC.

JD 3800 Harvester w/3 PT head, 3 row narrow corn head, electric controls, excellent
JD 894 Hay Rake
JD 80 tool bar, 2 row cultivator
Myers Orchard Sprayer, 3 pt. hitch
JD 216 Forage Wagon w/running gear
7' Woods, 3 pt. hitch blade
IH 440 Baler w/thrower, excellent
IH 55 Forage Harvester w/corn head
IH 440 baler w/thrower, $2,650
JD 800 SP windrower, 10', good condition. Reduced to $2,400
NH #8 Forage Wagon w/8 ton running gear w/3rd beater & roof, excellent, $3,900
JD 16A flail chopper, very good
Ford 3 pt. hitch mower, $425
NH 479 hay bine, $1,895
JD 34 Spreader, top beater, 1 yr. old, $2,600
(2) 512 NH Spreaders, $1,000
200 gallon Walsh Sprayer
JD 146 loader

CLW Metal Hay Racks
Pequea Hay Tedders

USED TRACTORS FOR SALE

IH 856 gas, narrow front end, clean in appearance, uses oil, 2 pt., narrow front; 3 pt. available
IH 756 gas, WFE, 16.9x34 tires, 80 percent, SOLD hydraulic, good clean tractor
JD 3020 diesel, PS, NF, 500 hrs. on complete overhaul, excellent tractor, price reduced, $5,800
IH Super M, WFE, live hydraulic, 1 owner tractor
JD 730 Gas, 3 pt., NFE, SOLD 80 percent rubber, good clean tractor

The following equipment for Cat. #1 3 pt. Tractor. Would Like to sell as one lot.
MF Model 31, 3 pt. hitch sickle bar mower
MF 2 row, 3 pt. hitch planter
MF 2 row rear mounted cultivator, 3 pt. hitch
3 pt. hitch spraying rig, pump, tank and booms

Complete Engines For Sale:
IH D-T 436 from 66 series tractor
D-246, 1100 hours since new, fits 74 and 84 series IH tractors
C-200 gas, fits 544 and some 74 series tractors
D-312 short block, brand new, fits 666 and 686

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MF 65 Dsl.
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IH 154 Cub w/Mower
MF 725 7' Mower Conditioner
IH 37 Baler w/Thrower
NH 516 Spreader
IH 540 Manure Spreader
IH Grain Drill
Herd 3 pt. Fert Spreader
NH 69 Baler w/Thrower
NH 275 Baler
NH 450 Sycle Bar Mower
IH 8 Crop Chopper
NH 352 Grinder Mixer
Gehl 65 Grinder Mixer
NH L225 Skid Loader
Brillion 24' Field Harrow
MF 300 Combine
MF 205 Combine
Gehl 600 For. Harv. w/2 Heads
Fox Blower
Gehl 4500 Skid Loader w/Backhoe Attach.
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SCHREFFLER EQUIPMENT
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Located 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church

NOTICE

Our prices on the following combines include warranty, delivery, low rate financing or waiver, and a fair price considering trade-ins. We will adjust these prices DOWN if you want to buy without all these benefits.

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SPECIAL MONEY-SAVING FINANCING

Buy now & finance with MF at a low 6.9% APR... or choose waiver of finance charges to 9-1-85 on selected used combines.

JUST TRADED
Real Nice MF 510 Gas Combine

- 1982 MF 860 Hydro, V8
- 1982 MF 540 ... $24,500
- 1981 MF 860 Hydro w/6 cyl. engine ... $45,000
- 1980 MF 760 Hydro V8 with 15 ft. Grain Table and Grain Saver ... $52,000
- 1980 MF 550 ... $21,000
- 1979 MF 750 w/4WD ... $36,500
- 1979 MF 760 Hydro 6 cyl engine ... $35,000
- 1978 MF 760 Hydro ... $31,000
- 1975 MF 760 Hydro V8 ... $24,000
- 1975 MF 750 Hydro ... $22,000
- 1975 JD 3300 Diesel with 13 ft. Grain & 2 Row Corn Head $14,500
- JD 343 Corn Head 3 Row 30" ... $3,000
- 1975 MF 510 Diesel ... $17,000
- 1975 MF 760 Hydro V8 ... $24,000
- 1974 MF 760 Hydro 6 Cyl. ... $22,000
- 1973 MF 750 Gear Drive with Grain Saver $24,000
- 1973 MF 760 Hydro 6 Cyl. ... $21,500
- 1972 MF 510 Diesel Gear Drive ... $9,500
- 1972 MF 510 Diesel Gear Drive $10,500
- 1972 MF 300 Gas $8,500
- 1972 MF 510 Diesel Gear Drive ... $12,500
- 1971 MF 510 Diesel $12,500
- 1970 MF 510 Diesel $10,500
- 1970 MF 510 Diesel $12,500
- 1969 MF 510 Diesel $11,500

Closed Thursday May 16 Ascension Day

- 1968 MF 510 Diesel ... $8,000
- 1968 MF 510 Diesel Hydro ... $12,500
- 1966 MF 510 Gas with Floating Cutter Bar ... $4,800
- 1974 MF 300 Gas ... $8,700
- 1960 AC A Gleaner $1,500
- JD 4400 Combine w/13' G H, Fire Damaged $3,900
- JD 45 with Corn Head $1,500
- MH 82 with 10 ft Grain Head ... $1,200

Above Combines Include Grain Tables Less Corn Heads 61 Corn Heads in 2, 4, 6 and 8 Row Size

- White 3 pt 316 cushion trip plow, $950
- IH 710 spring trip 616 plow $2,500
- MF 730 offset 13' disc $3,500
- New MF auto reset 3 pt 316 plow $2,500
- MF 620 disc 19', like new $4,400
- New Glencoe Field Cultivator
- Gleaner F w/13' Grain Head $7,000
- Gleaner K 13' Grain & 3R 30" Corn Head $6,500
- Walsh 3 pt Sprayer $900

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- Oliver 1650 Gas Tractor
- MF 2745 Tractor $15 000
- MF 1155 Diesel $9,000
- MF 50 $2,900
- MF 4880 $55 000
- MF 2805 190 HP $14,500
- Farmall Super A w/Plow & Cultivator
- MH Pony w/Plow & Cultivator $1,700

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NEW VERMEER EQUIPMENT

(1) 605H Baler
(2) 504G Baler (Demo)
(1) Hydraulic Drive Rock Picker
(1) 10' No-Til Grain Drill (Demo)
(1) 23' Twin Rake (Demo)
(1) 504 H (Demo)

NEW VICON EQUIPMENT

(3) KM 321 Mower Conditioner 10' 6"
(1) KM 281 Mower Conditioner 9' 5"
(1) KM 240 Mower Conditioner 7' 10"
(3) CM 240 Mower 7' 10"
(1) 16' Tedder
(2) Vicon Square Baler
(2) Double V Rake
(4) Single 4 wheel Rake
(6) 100-500 gal. Sprayers w/elec. & manual controls & ground drive pumps
(6) 3 pt. Fert spreaders

USED EQUIPMENT

(2) 10' Tedders Neimeyer
(1) NH 489 (Excellent)
(1) NH 469 Haybine
(1) NI 7' Cut/ditioners
JD #55 Combine

BALE WAGONS

8x8x18' welded square tubing sides; reinforced square tubing rear with swing out or complete removal feature; treated floor with slotted 2x6 deck, ready for pickup in New Holland.

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TRACTORS
JD 650 2WD & 4WD
JD 750 2WD & 4WD
JD 850 JD 2150
JD 950 JD 2350
JD 1050 JD 2750
JD 1450 JD 2950
JD 4050 SG, QR
JD 4250 SG, PS

HAY TOOLS
JD 1219 Mower Conditioner
JD 327, 337 Balers
NH 316 & 320 Balers
NH 499 Mower Conditioner
NH 28 Blower
NH 489 Haybine
NH 38 Crop Chopper
NH 451 Mower
NH 256 & 258 Rakes

TILLAGE EQUIPMENT
JD 2800 5B Plow
JD 235 19'11" Disc
JD 115 10' Disc
JD 215 11 5" & 12 10 Disc
JD 1610 Chisel Plow

OTHER EQUIPMENT
JD 1065 Wagon

COMBINES & HEADS
JD 643 Corn Head
JD 4400 Combine
JD 213 Flex Platform

PLANTING EQUIP.
JD 7000 Cons. Pltrs. 4R
JD 8200 18x7, 21x7 Plain Drills

USED EQUIPMENT
JD 2010 Tractor
Oliver 1800 Dsl. Tractor
IH 966 Tractor
JD 3300 Combine
JD 237 Picker
JD 16' Grain Platform
Gehl 600 Forage Harvester
NH 1 Row Snapper
JD 8300 Soybean Drill 16x10
AC K2 Combine
JD 244 Corn Head
Fox 3000 Fg. Harv.
Lely Roterra 13'6"
JD 6 Row Max Emerge Planter w/Liquid Fertilizer

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385

CORN PLANTERS
800 - 4 Row Plate Planter

GRAIN DRILLS
5100 - 18x7 Comb.
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NEW TILLAGE
6500 - 11' Consertill - demo
(2) 5500 Mounted Chisel Plow
5500 Trailing Chisel Plow
4500 Vibra Shank Cultivators
370 Disc Harrow
475 Disc Harrow
420 3 Furrow Plow
125 3 Furrow Rollover Plow
720 5 Furrow Plow

MATERIAL HANDLING
595 Manure Spreader 2250 Loader
560 Manure Spreader

USED EQUIPMENT

USED COMBINES
Int. 125 w/Grain Head
Int. 715 Diesel w/4 row narrow head, nice
JD 7700 w/2 heads
MF 750 w/grain head

USED TRACTORS
Int. 84 Hydro w/450 Hrs.
Int. 856
JD Model B w/Cultivators
IH Hydro 100 w/Cab
(2) Farmall H
Allis Chalmers WD
Int. 1066 w/Cab

Int. 3088 Tractor w/35 Hrs.

USED EQUIPMENT
Int. 800-6 row Corn Planter
Int. 700 5 F SOLD Reset Plow
Int. 710 5 F Auto. Reset Plow
900 Badger Blower
Huff Pay Loader
NH #518 Manure Spreader
Ontario Hoe Drill
Int. 2350 Mount-o-matic Loader
Int. 125 Manure Spreader, Nice
(1) Brillion Culti-mulcher, 12'
13' 3 pt. Chisel Plow

NEW GEHL EQUIPMENT
960 Forage Box w/roof
1540 Forage Blower
3510 Skid Loader
#2330 Disk Mower Conditioner

Eckroth Bros. Farm Equipment

case IH
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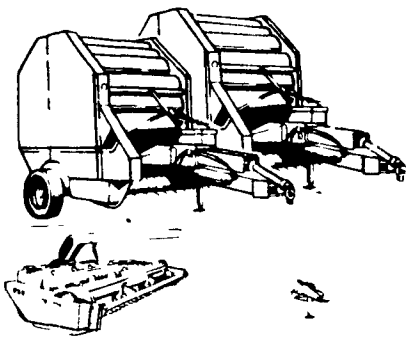

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Equipped With:
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Can be run with as little as 90 HP, but will take up to 250 HP, if desired.
water tank not included.

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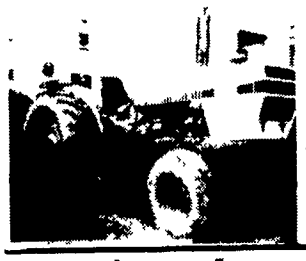
LIKE NEW... 90 HP CASE 1690 TRACTOR

12 Speed w/Power Shift



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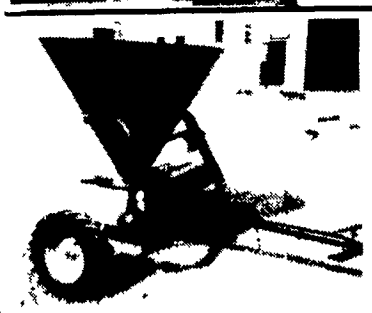
~~$15,800~~
NOW ONLY $13,800
With 10% Financing Available



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$395

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$1000 OFF SALE

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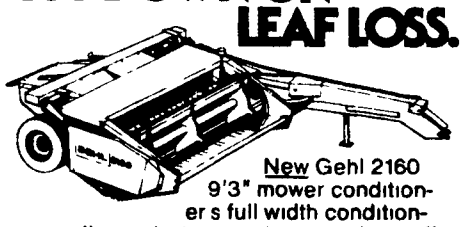
Plus **GEHL**

Saves Those Tender Leaves!

CUT DOWN ON LEAF LOSS.



New Gehl 2160 9'3" mower conditioner s full width conditioning rolls crack stems without crushing off leaves You save the valuable nutrients, and at the same time get fast-drying windrows Adjustable reel and ground-hugging header flotation let you mow in a variety of crop and field conditions

See your Gehl dealer and see how cutting down leaf loss brings up profits Or, if you need a 7' model, with all the same features, ask to see our new model 2130

WE PUT GOOD IDEAS TO WORK

GEHL

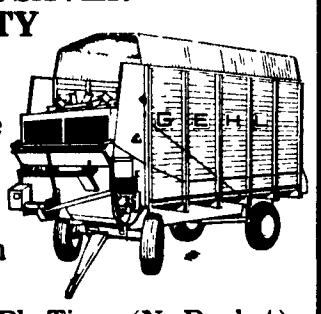
- ONE ONLY Brand New Gehl Mower 2130, 7'3" Cut w/Stub Guards For Rocks And Less Plugging w/Spring Cover. Serial #1688 (Lift Cylinder Not Included) Factory Price... ~~$7,017~~ **$6,530** - $1,000 **$5,530**

- ONE ONLY New Gehl Model 2160, 9'3" Cutting Width w/Center Shoe, Float Spring Cover, Stub Guards. Setup & Ready To Work, Including Hyd. Lift Cylinder & Hoses. Factory Price... ~~$9,543~~ **$7,850** - $1,000 **$6,850**

PLUS YOU CAN FINANCE THIS HIGH QUALITY HAY MACHINE NOW!

Get A $6,000 Value With A $1,332 DISCOUNT!

THE DOLLAR SAVER WITH QUALITY



The All New Gehl Model 650 Continuous Drive Forage Box 16 Ft. Long w/3 Beaters & Roof, Mounted On 8 Ton Wagon w/Quick Hitch & 11Lx15 8 Ply Tires. (No Rachet)

$4,668

BRAND NEW 4 WHEEL DRIVE 90 HP TRACTOR w/12 SPEEDS

CASE 1690

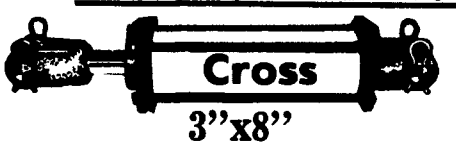
Front Weights Optional

Last One At LOW, LOW PRICE

~~$18,900~~

$17,900

PARTS DEPARTMENT SPECIALS



3"x8" HYDRAULIC CYLINDER

• 3" Tie Rod • 1¼" Shaft

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One Piece 4" TWISTED CHISEL PLOW SHOVEL

ONLY $14.50 thru May 18th

NOW ONLY $4,980

CASE UNILOADER - For Power-In-Hand Command

(Eliminates Foot Pedals For Better Coordination)

SPECIAL...NEW DEMONSTRATOR...PRICE REDUCED

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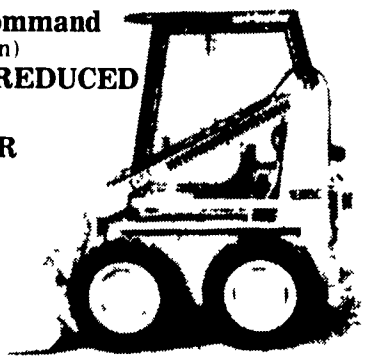
BRAND NEW 1816C SKID STEER LOADER

• 16 HP Onan Engine • Breakout Force Over 1000 Lbs.
• Your Choice Of Numerous Bucket Options Available

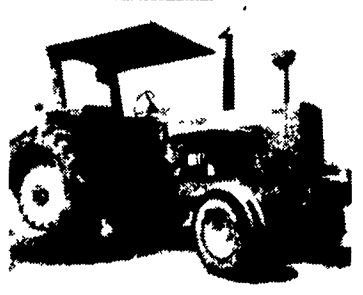
Weight · Approx. 1 Ton Serial #9863339

Factory List $9,188 00 Value

SALE PRICE... ~~$5,680~~ ~~$5,380~~



NOW ONLY $4,980 13% Financing Available



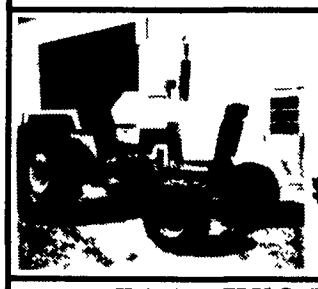
AC 220, 135 HP

- Approx. 3000 Hrs.
- Motor Rebuilt
- Dual Remotes
- 1000 RPM PTO

~~$10,800~~ ~~$7,900~~

NOW ONLY **$6,800**

10% Financing Available



TAKE $1000 OFF

FIELD READY CASE 1070 POWERSHIFT

Just Arrived

~~$8,850~~

NOW ONLY **$7,850**

BUY TWO FOR ONE MONEY

NELSON 106 HP PAYLOADER Powered By Detroit 4-71

Get 2nd Unit For Parts

ONLY $8,850

CASE 2390

Under 1300 Hrs., 160 H.P., Cab, Air, Heat, AM-FM Radio, Axle Duals 20.8x38, Front Wts. Serial #8837014

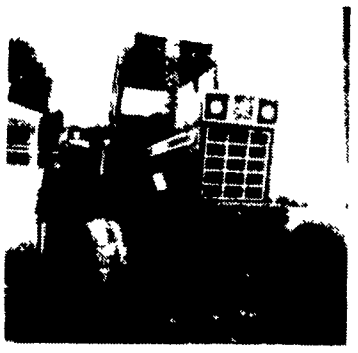
~~$27,800~~ ~~$22,900~~ ~~$21,900~~

NOW ONLY $19,900

With 10% Financing

You Must See This One To Appreciate It

IH 1066 BLACK STRIPE



- 125 HP
- 540-1000 PTO
- Almost New Radial Tires

Reasonably Priced For The Quality You Get!

PRICED TO SELL

Don't Miss This One!

CASE MODEL 2590

Rated At 180 HP, Equipped w/Like New 20.8x42 Tires, Front End Weights, Approx. 3200 Hrs., in A-1 Condition Was $23,800 w/Trade-In

NOW ONLY $17,850

13% Financing Available

GOOD USED GEHL 99 FORAGE BLOWERS

Two Blowers In One. Silo Bottlenecks Stop With Optional Heavy Duty PTO Shaft.

2 To Choose From...Ready For Delivery.

- MODEL 99 w/540 PTO... ~~$1,581~~ NOW ONLY... **$1,380**
- MODEL 99 w/1000 RPM PTO... ~~$1,795~~ NOW ONLY... **$1,485**

WE WILL BE CLOSED on

- **THURSDAY, MAY 16 - Ascension Day**
- **MONDAY, MAY 27 - Memorial Day**

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A.C. MODEL 7580

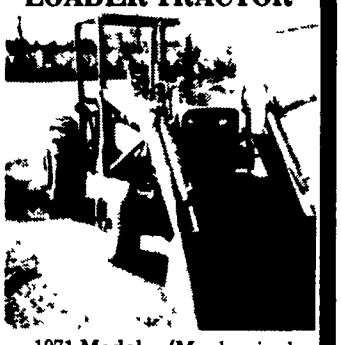
4 Wheel Drive

Less Than 500 Hrs., In A-1 Condition

Cab, Air, Heater w/20 Speed Transmission, 3 Pt. Hitch w/ Quick Coupler Hitch, PTO, 4 Hyd. Circuits, 18.4x38 w/18.4x38 Duals

MAKE OFFER!

IH MODEL 2034 DIESEL LOADER TRACTOR



1971 Model w/Mechanical Shuttle, PTO, Rock Shaft for 3 Pt. Arms, But Arms Not Included

~~$4,950~~

NOW ONLY **$3,950**

Just Arrived

N.I. MODEL 325

2 Row Narrow Corn Picker w/12 Row

MAKE OFFER

YOU NEED LOOK NO FARTHER IF YOU'RE THINKING ABOUT ROTARY CUTTERS...

RHINO

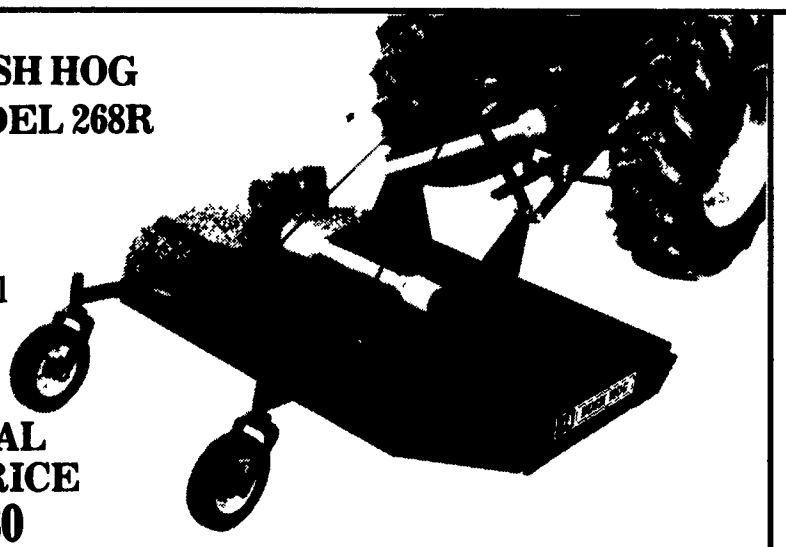
BUSH HOG®

Here They Are!

SOUTHEAST®

THE CHOICE IS YOURS... STOP BY NOW

BUSH HOG
MODEL 268R



8 Foot
w/Double
Tail Wheel

SPECIAL SALE PRICE $1,680

2615 FLEX WING CUTTER

Three Section Wing Fold, 540 PTO, 15-Foot Cutter That Flexes Up 90° and Down 22°. Economical And Efficient For Use On Larger Acreages. Minimum HP Required - 50. With Hydraulic Folding Lift Cylinders, Optional, Front Chain Kit, Rear Safety Shield, Band Cover

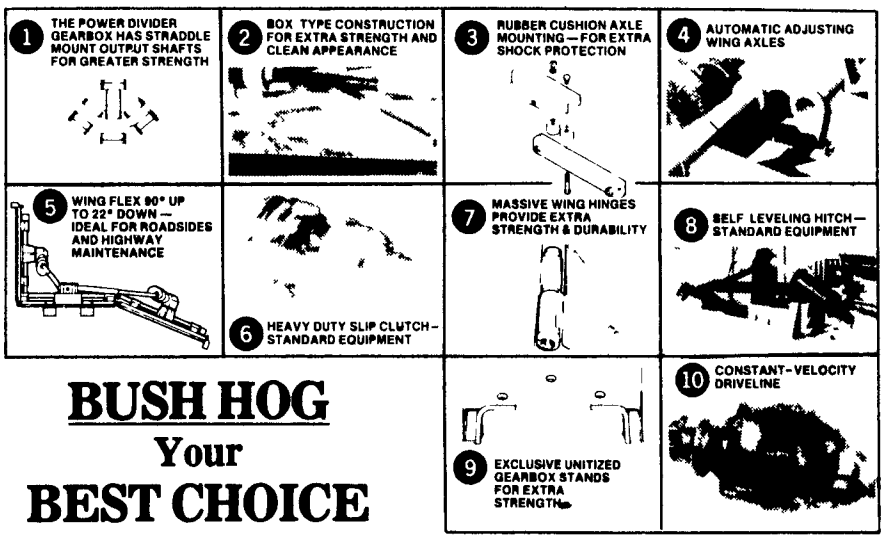
List Price $7,895.00

YOUR EARLY ORDER SPECIAL PRICE ONLY $6,320.00
(Larger Sizes Available Up To 20 Ft. Wide)

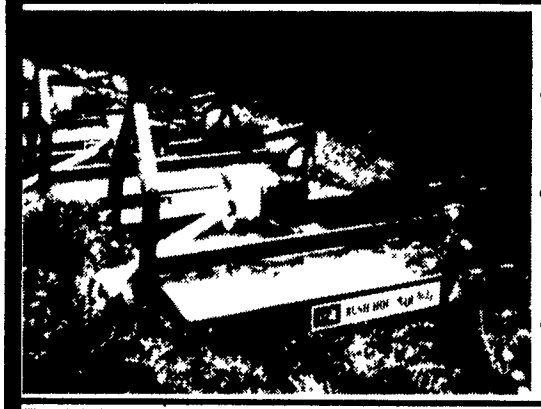
BUSH HOG... Perfect For Pasture Clipping And Shredding, Highway Maintenance And Orchard Cutting... With Wings That Flex 90° Up To 22° Down.

HERE'S TEN REASONS WHY THEY'RE YOUR BEST CHOICE FOR ALL LARGE CUTTING JOBS.

2615 SERIES ROTARY CUTTERS

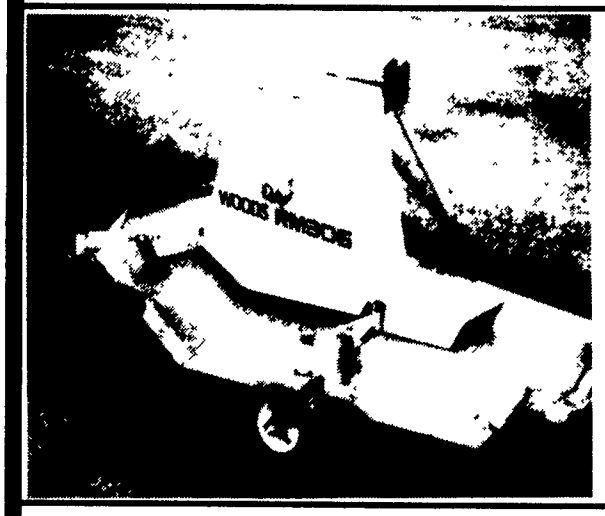

1 THE POWER DIVIDER GEARBOX HAS STRADDLE MOUNT OUTPUT SHAFTS FOR GREATER STRENGTH
2 BOX TYPE CONSTRUCTION FOR EXTRA STRENGTH AND CLEAN APPEARANCE
3 RUBBER CUSHION AXLE MOUNTING—FOR EXTRA SHOCK PROTECTION
4 AUTOMATIC ADJUSTING WING AXLES
5 WING FLEX 90° UP TO 22° DOWN — IDEAL FOR ROADSIDES AND HIGHWAY MAINTENANCE
6 HEAVY DUTY SLIP CLUTCH—STANDARD EQUIPMENT
7 MASSIVE WING HINGES PROVIDE EXTRA STRENGTH & DURABILITY
8 SELF LEVELING HITCH—STANDARD EQUIPMENT
9 EXCLUSIVE UNITIZED GEARBOX STANDS FOR EXTRA STRENGTH
10 CONSTANT-VELOCITY DRIVELINE

BUSH HOG
Your
BEST CHOICE



BUSH HOG

- MODEL SQ4, 48" Cut
  SALE...$475
- MODEL SQ5, 60" Cut w/Slip Clutch
  SALE... $544
- MODEL SQ72, 72" Cut
  SALE... $695



WOODS

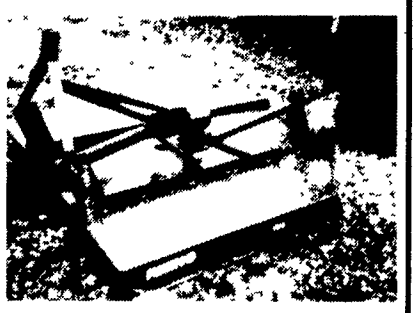
6 Ft. Lawn-Type
3 Blade Cutter

New Except For Approx. 3 Acres Use

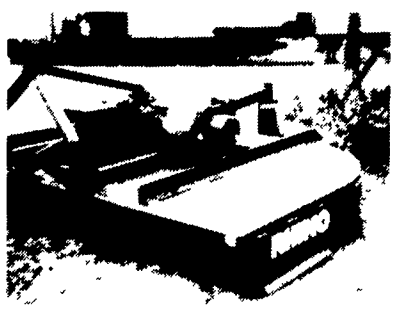
ONLY $1,195

RHINO SE SERIES ROTARY CUTTERS

- 4 Ft. Model SE4
  List $525..... SALE **$425**
- 5 Ft. Model SE5
  List $546..... SALE **$495**
- 6 Ft. Model SE6
  List $929..... SALE **$695**
- 7 Ft. Model SE7
  List $1,495 .. SALE **$1,196**



RHINO HEAVY DUTY 8 FT. CUTTERS



- MODEL Sat. 8
  Twin Rotary 3 Pt.
  w/Stump Jumper &
  Slip Clutch

  List $2,960

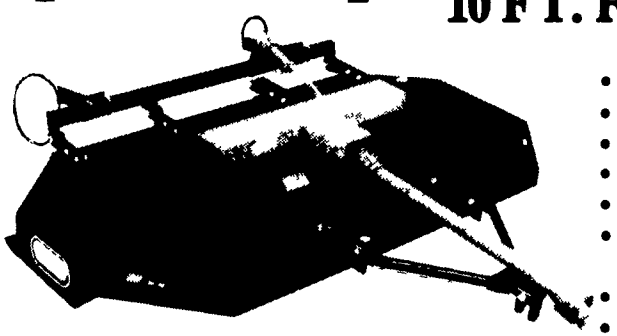
  SALE **$2,269**

- MODEL Sat. 8, 8 Ft. w/Slip Clutch, No Stump Jumper
  List $2,879
  SPECIAL SALE PRICE **$2,225**

Just For The Man Who Doesn't Have A 3 Pt. Hitch On His Tractor...

SOUTHEAST®

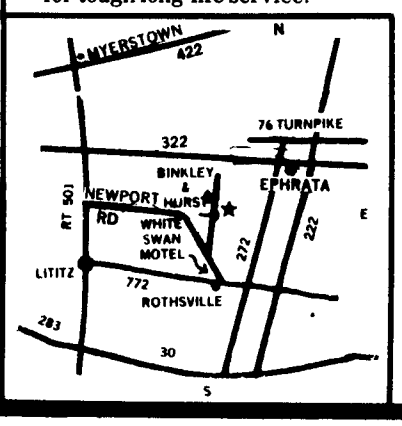
DRAG MODEL RC 120 DL 10 FT. ROTARY CUTTER



STANDARD EQUIPMENT:

- 7 Gauge Reinforced Deck
- ½x3" Free Swinging Suction Blades
- Round Blade Carriers
- Ratchet Jack Height Adjust
- Clevis Hitch
- (2) 15" Laminated Puncture Proof Tires
- Safety Yellow Driveline Guards
- Heavy-Duty 4-Plate Override Clutch
- Torque-Limiting Shock Absorber

CONSTRUCTION: All Southeast 10' Rotary Cutters feature our new streamlined "cut-away" deck which prevents material from lodging or "caking" in the front corners of the cutter. Gear box mount plates are of 3/8" steel and the deck is equipped with full length runners. The standard 4-plate slip clutch and Torque Limiting Shock Absorber protects both mower and tractor from shock loads. DRIVELINE is all gear driven, dual blade spindle, featuring three heavy-duty gear boxes designed for tough long-life service.



SPECIFICATIONS: **Drag Model**

Cutting Swath	117"
Cutting Height Range	2-12"
Gear Box H.P. Range	55
Weight	1677 lbs.

Tractor Safety Shields, Seat Belts, And Roll Over Protection Are Recommended While Operating Cutter.

FACTORY PRICE ~~$3,189~~

SPECIAL DISCOUNT PRICE ON ONE ONLY..... $2,450

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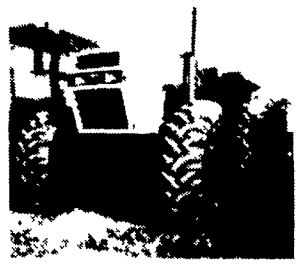
With Never-Before-Offered Savings On 94 Series Tractors

SAVE!
NEW MODEL 2294
130 HP, Cab, Air, Heat, AM/FM Stereo, 12 Wts., 540/1000 PTO, 20.8x38, 12 Speed Power Shift.
List $54,000
NOW ONLY
$29,850 CASH

LOOK!
NEW MODEL 4494
215 HP, Cab, Air, Heat, AM/FM Stereo, 18 Weights, 3 Pt. Hitch, 20.8x38 Radial Tires, (Dual Wheels Shown Not Included In Price), Ground Speed Sensor, Auto. Shutdown Kit, 1000 PTO Power Shift
$44,500 CASH

NEW DEMO
MODEL 2394, 180+ HP
Cab, Air, Heat, Stereo, 24 SPEED POWER SHIFT, 15 Wts., 20.8x38 Tires, 1000 PTO, 3 Pt. Hitch, Twin Outlets, Full Warranty.
BUY THIS BIG HORSE FOR ONLY
$39,300 CASH

FOUR WHEEL POWER MODEL 2094, 110 HP
Mechanical Front Drive, 504 Cu. In. Motor, No Cab, 16.9x28/20.8x38, 540/1000 PTO, Fluid In Tires, 3 Pt.
GRAB THIS UNIT NOW FOR UNDER
$24,000 CASH

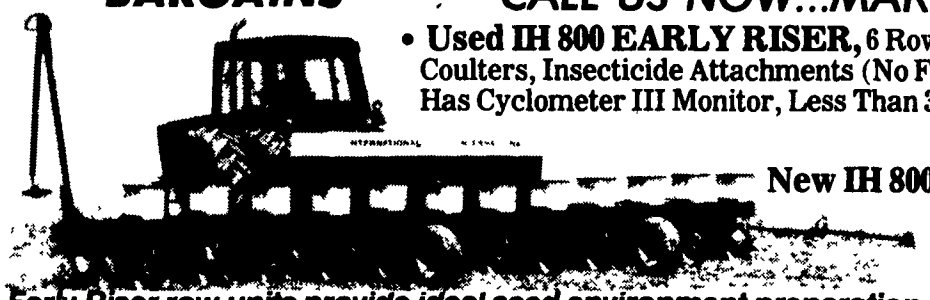


NOTICE: All Cash Prices Have Bank Financing Available At Good Rates.

See These And Hundreds Of Other High-Quality/Low-Cost Machines In Stock At Your Dealer, Binkley & Hurst Bros., Inc.

CORN PLANTER BARGAINS

In Stock And Ready For Your Field
CALL US NOW...MAKE YOUR DEAL!



- **Used IH 800 EARLY RISER,** 6 Row 30" Spacing w/No Till Coulters, Insecticide Attachments (No Fertilizer or Markers) Has Cyclometer III Monitor, Less Than 300 Acres
  ONLY $7,850
- **New IH 800 EARLY RISER,** 6 Row 30" Spacing w/Monitor, Insecticide, Dry Fertilizer, Row Marker, Ready To Go
  ~~$12,250~~ **$11,922**
  Financing Available

Early Riser row units provide ideal seed environment preparation and seed placement for fast germination and uniform emergence.

BRAND NEW IH MODEL 484 DIESEL TRACTOR

42HP
ONE ONLY
$16,000 Value
FOR ONLY **$10,800**

Make Your Deal Now!

WOULD YOU CONSIDER $8,560 FOR A $17,396 43 HP DIESEL TRACTOR?

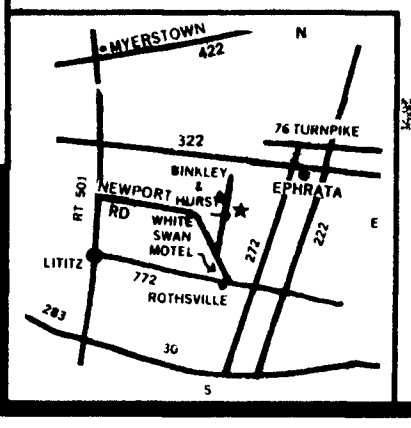
We've Got It!

MODEL 1194 GENERAL PURPOSE TRACTOR
43 PTO H.P. - The Handy Compact w/Diesel Power At It's Best!

Featuring: Tilt Hood For Easy Service, 12 Speed Transmission, Flashing Lights, Hyd. Outlets, No Gear Shift Levers In Center To Stradle, Differential Locks. No ROPS As Shown, But Available. Independent PTO

Remember Only **$8,560**

YOU NOW HAVE A CHOICE OF HIGH CAPACITY FORAGE BLOWERS



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Big Capacity And Rugged Durability
Let You Unload Fast And Stay On The Job!

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JD 2350
JD 2750
JD 2950 MFWD & Cab

NEW EQUIPMENT

JD 1010 Field Cultivator, 12½'
JD 8300 Grain Drill 18x7 DD
JD 1219 Mower Conditioner
JD 337 Baler
JD 115 Disc 10 ft.
JD 1610 Chisel Plow, 8 or 10 ft.
JD 950 Roller Harrow, 12 ft.
JD 415 Rotary Hoe
JD 430 Round Baler
JD 450 Hydra-Push Spreader
JD 716A Forage Box
JD 506 Rotary Cutter

USED TRACTORS

Ferguson 30 w/Cult. & Harrow
JD "B" Tractor
JD 4040 w/Roll Guard PS Trans. 717 Hrs.
MF 2675 w/Cab & 24 Spd. Trans., Ex. Cond.

USED EQUIPMENT

JD 7000 Max-Energe w/monitor
2 Jerr-Dan Forage Wagons w/roof & grove wagon
1 JD 65 Forage Blower w/hyd. pump
1 Power Unit, 30 hp elec. 3 phase motor w/clutch & trans.
JD 272 3 pt. Mower 72" Cut
NI Forage Blower
JD 640 Rake w/Front Wheel
JD F130 4-14" Bottom Plow
JD 1209 Mower Cond.
(2) NH 479 Haybine
Owatonna SP Mower Conditioner
Row Crop Head 3 Row Wide
AC 600 4 Row Liquid Planter
JD Model 350 - 5 Bottom Plow
JD 3-14" Plows
JD 216 Forage Box w/1065 Wagon
JD 65 Rear Blade, 7 ft. like new

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Parts Available

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6-65 H.P.

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Bobcat, 610 Repl.	Crankstart w/Clutch & Reduction
$1,825.00	**$1,995.00**

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V465D 65 9 HP w/Clutch	$3455
VG 4D 37 HP For/Clutch Reduction	$2775
VH 4D 30 HP Electric w/Clutch Reduction	$2175
AGND 12 HP Elect	$1135
AENLD 9 HP w/Clutch Reduction	$1280
S12D, 12 HP, Elect Start	$615
S12D 12 HP w/Clutch Reduction (Repl. Engines in stock to fit most popular skid loaders)	$995

Wisc.-Robin

W1145 3.5 HP Recoil	$175
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EY27W 7 5 HP, Recoil	$325
EY27W 7 5 HP, Electric	$465
EY27W 7.5 HP w/Pump Shaft	$319
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EW 170A 170 AMP	$1325

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Y112 30 HP w/Clutch	$725
Y112 30 HP w/Clutch Reduction	$1085

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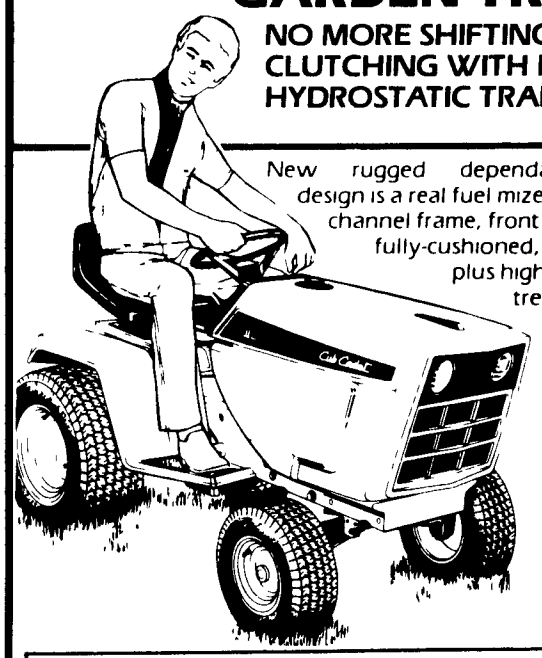

New rugged dependable Single cylinder design is a real fuel mizer Heavy-duty channel frame, front pivot axle, deluxe fully-cushioned, adjustable seat plus high flotation turf-tread tires Electric Power Take Off clutch

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JD 850, 22 Hp
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JD 2150, 4WD, 45 Hp
JD 1450, 4WD, 50 Hp
JD 2550, 2WD, 55 Hp
JD 2750, 4WD, 65 Hp
JD 4250, 4WD, Cab, PS, 120 Hp

USED TRACTORS...

JD 4040, PS, Fenders, 590 Hours
JD 2840 w/148 Loader, 1000 Hours
Ford 4000 (as is) w/Blade
JD A, B and 2 H's
JD 40 High Arch w/Cult.
AC D14
JD 40 w/Plow, Cult., 3 Pt.
JD 430 Wide Front, 3 Pt.
IHC Super A

USED COMBINES

JD 6600 Regular
JD 6620 Side Hill, Choice of Heads
NH TR70 w/780 Hours, 2 Heads, Ford Diesel Engine- $32,000

NEW EQUIPMENT...

JD 7000 Conservation 4-Row Planter, Liq. Fert. $10,750
JD 425 Offset 12' Disk, Hyd. 26" Cone Blades $6,750
JD 4200, 4-Bottom, R & L 18" Plow (DEMO.) $6,950
Landoll 7 Ft., 3 Pt. Chisel Plow (Demo) $1,975
JD 506 Rotary Mower $950
JD 606 Rotary Mower, 3 Pt. $1,285
Miller PRO-2175 Forage Box w/Roof, 3 Beaters, 17.5 Ft. w/New JD 1275 12-Ton Tandem Wagon Gear w/11Lx15 Tires ..... All For: $7,280
JD 1219 Mower Conditioner $7,750
Woods Dixie M5 60" 3 pt. Mower $750

NEW HOLLAND EQUIPMENT...

NH 311 Baler, Super Sweep, Hitch & Chute ..... Cash: $6,585
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NH No. 80 Bale Mover, Hyd. Push Off, 3 Pt. For Round Bales $795
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HARDI SPRAYERS...

300 Gallon Trailer Sprayer, Diaphram Pump, Self Leveling 35' Boom, Flotation Tires. $3,655
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OTHER EQUIPMENT...

Tye No Till Drill, 7 Ft. Pull Type (Rental) $6,500
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Used JD 3940 Harvester w/2 Row Narrow Cornhead and 6½ Pickup, Elec. Controls, Like New $11,500
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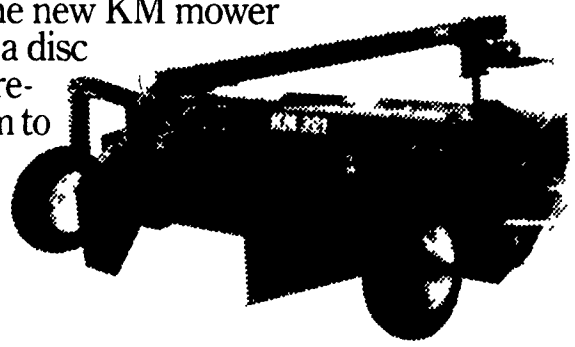
THE FASTEST MOWER CONDITIONERS IN THE WORLD.

When conditions get tough, the new Vicon KM mower/conditioners get the hay in the windrow 30% faster than any conventional system. Available in working widths of 7'10", 9'5" and 10'6", the new KM mower conditioners combine a disc cutterbar with a square-cornering drive system to dramatically improve your mowing and conditioning. See the new KM mower/conditioners.



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SPECIAL OF THE WEEK
NH 667 Tank Spreader
Cash - No Trade
$4800

NEW EQUIPMENT
AC 2500 Disc 10 ft. 10 in.
AC 8010 PS w/20.8x38 Radials
AC 6080 2 WD
AC 6070 FWD
AC 6080 2 WD w/Cab
AC 8030 FWD
AC F3 Combine w/Floating Cutting Bar

USED TRACTORS
AC 175 w/Rebuilt Engine
MF 1135 w/Engine Overhauled

USED HAY & FORAGE EQUIPMENT
2 NH 717 Forage Harvesters
NH 328 Spreader
Starline Tank Spreader
Gehl 600 Forage Harvester w/2 Row Snapper Head
Gehl 600 Forage Harvester
NI Rake
NH 77 Baler w/ Motor Thrower
AC 600 No-Till Air Planter w/ Liquid Fertilizer
JD 24T Baler w/ Kicker
NH 268 Baler
NH 269 Baler
Lely 4 Wheel Rake
JD 15A Crop Chopper
AC 2000 Series 4 Bt. Plow Auto Reset
Ac 600 4 Row Row Planter w/Air Units And Liquid Fertilizer

SPREADERS
NH 518 2 Beater
NH 513 2 Beater

MISCELLANEOUS
AC 460 Loader w/2 Buckets (Will fit AC 6080 Tractor)

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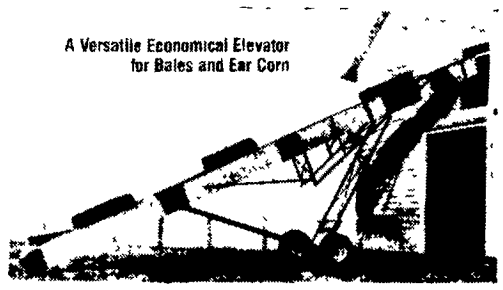

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- NH 456 Mower, New
- NH 456 Mower, Used
- NH 402 Crimper, Nice
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- Int. 100 Balance Mower
- Nickelson Hay Tedder

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- Ford 3000, Overhauled $4200.00
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- Int. 560D $2400.00
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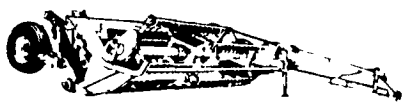

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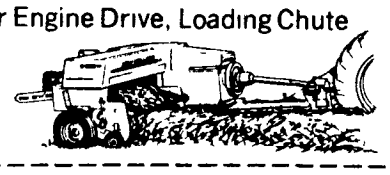
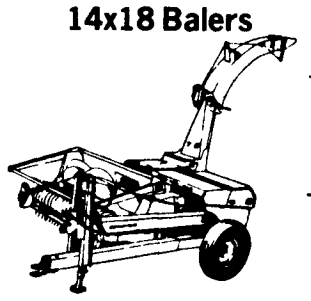
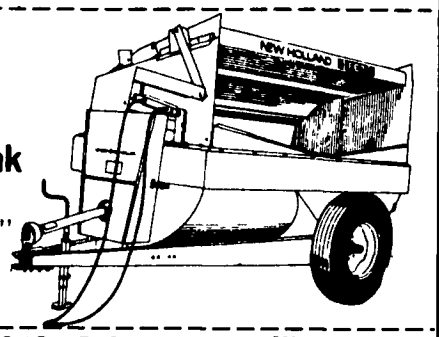
Also 316 and 320 14x18 Balers





#718 12 Knife Forage Harvester
#824 2 Row Crop Harvester Head
#25 PTO Whirl-A-Feed Blower



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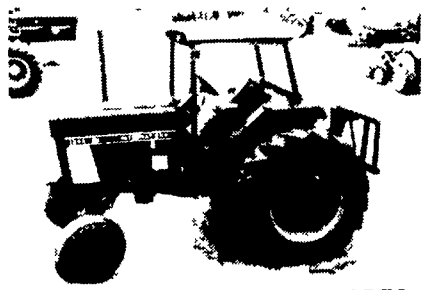
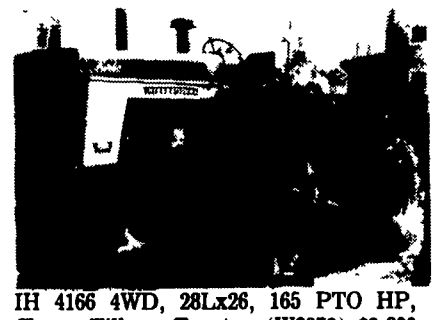
USED TRACTORS

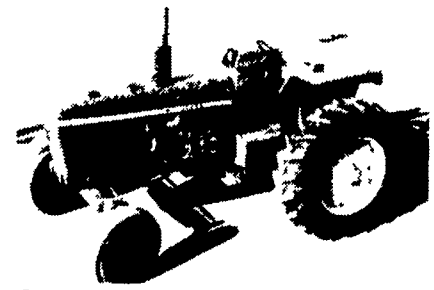
IH F966D, 18.4x34 Tires, Dual PTO, 110 HP (W8229) ~~$12,500~~ Reduced To $12,000



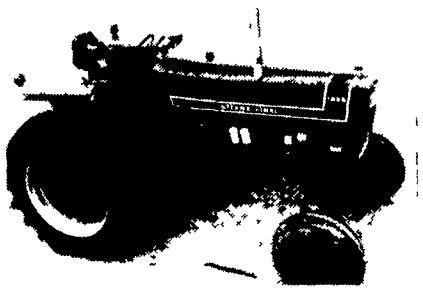
IH F1086D w/ROPS, 20.8x38, Dual PTO, Sharp (W8729) ~~$17,500~~ Reduced to $16,800



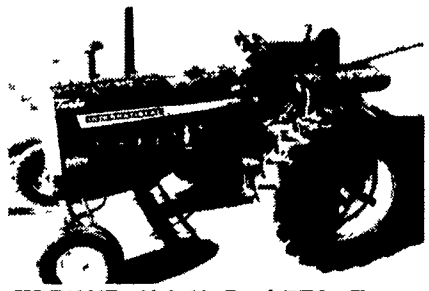
IH 4166 4WD, 28Lx26, 165 PTO HP, Cheap Tillage Tractor (W8379) ~~$9,800~~ Reduced To $9,500



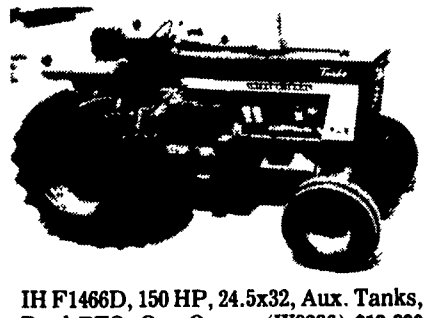
Deere 4230D, 18.4x34, Dual PTO, Quad Range, 2677 Hrs. (W9064) ~~$11,900~~ Reduced To $10,500



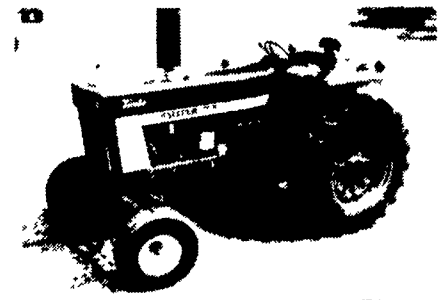
IH F1066D, New 18.4x38, Dual PTO, 1976, One Owner (W9599) ~~$14,900~~ Reduced To $14,500



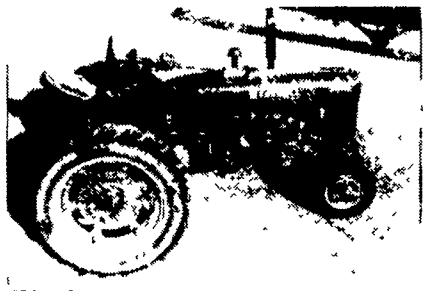
IH F1206D, 20.8x38, Dual PTO, Cheap, Dependable 120 HP (W8934) $8,500



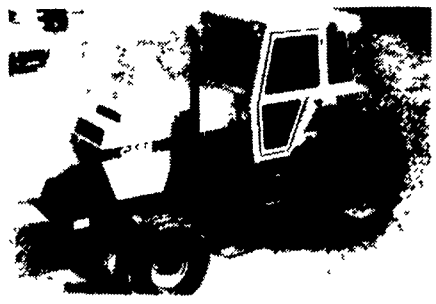
IH F1466D, 150 HP, 24.5x32, Aux. Tanks, Dual PTO, One Owner (W9236) ~~$13,900~~ Reduced To $13,200



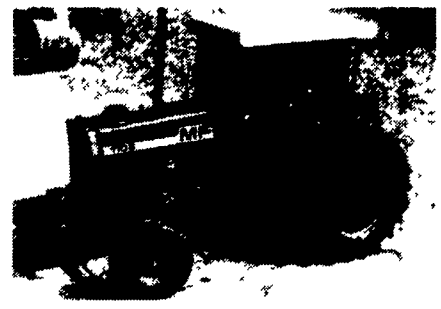
IH, F1066 Diesel Tractor, 18.4x38 Tires, Dual PTO, Good Tractor (W9832)



IH Farmall Super MTA, Power Steering, Belt Pulley (W9620) $2,395



Case 2390 Tractor, Like New - Only 273 Hours, Powershift, 20.8x38 Duals, PTO (W9997)



Massey Ferguson 1105 Diesel w/Cab & Air, 18.4x38 (New) Tires, Dual PTO, Sharp (W9995)

Massey Ferguson 1085 Diesel Tractor, 16.9x38 Tires, Excellent Tractor (W9996)

USED EQUIPMENT

TRACTORS

IH F1206D, New 18 4x38, Dual PTO Extra Sharp Tractor (W9890)
Deutz DX130, 18 4x38, Dual PTO, Cab w/Air, (Like New) (W9783)
IH 574D Utility, 14 9x38, Dual PTO Consignment (W9687) **$6,800**
IH 560 Diesel, Fast Hitch, Wide Front, Dependable Power (W9623) **$3,800**
IH 4166 4WD, 28Lx26, 165 PTO HP, Cheap Tillage Tractor (W8379) **$9,800**
Deere 4230D, 18 4x34, Dual PTO, Quad Range 2677 Hrs (W9064) **$11,900**
IH F1066D, New 18 4x38, Dual PTO, 1976, One Owner (W9599) **$14,900**
IH F1206D, 20 8x38, Dual PTO Cheap, Dependable 120 HP (W8934) **$8,500**
IH F1466D, 150 HP, 24 5x32, Aux Tanks, Dual PTO, One Owner (W9236) **$13,900**
Steiger 1979 PT225, Cat Engine @ 225 HP, 18 4x34 Duals (W9689) **$38,500**
IH F1086D w/ROPS, 20 8x38 Dual PTO, Sharp (W8729) **$17,500**
IH F966D, 18 4x34 Tires, Dual PTO, 110 HP (W8229) **$12,500**
Ferguson 20, 25 HP, 3 Point, Good Small Tractor (W9649) **$1,750**
IH F460 Gas, Fast Hitch, Tricycle, 14 9x38, Sharp (W9856) **$2,500**
IH F656D, 3 Point Hitch, Wide Front (W9918) **$6,200**
IH F856D, TA, Dual PTO, Cab w/AC, 18 4x34 (W9846) **$10,700**
Deutz, DX160, Cab w/Air, Dual 18 4x38 (W9694)
AC, D15 Gas w/Loader, 13 6x26 Tires (W9652)
IH Farmall H, Excellent Condition (W9625) **$1,200**
IH Farmall Super C w/Cultivators (W9392) **$1,600**
IH F986D, Cab w/Air, Dual PTO, 18 4x38 (W9240) **$17,500**
IH Farmall Super C w/2 Row Cultivators (W8569) **$1,500**
IH F1086D, 18 4x38 Duals, ROPS, Dual PTO (W9532) **$16,800**
Case 2390, 160 HP, 250 Hours, Like New, Dual 20 8x38 (W9997) **$28,500**
IH Farmall 400 Gas, TA, 14 9x38 (W1003)
Steiger Wildcat III, ST210 w/18 4x34 Duals (W9928)
MF 1085 Diesel, 16 9x38, 540 PTO, Excellent Tractor (W9996) **$8,500**
MF 1105 Diesel, 18 4x38, Dual PTO, Cab, Super Clean (W9995) **$9,200**
IH F656D Hydro, 540 PTO, 15 5x38 (W1005) **$7,800**
IH 574D w/2250 Loader, Dual PTO, 55 HP (W9797)
IH F826D Hydro, Dual PTO, 18 4x34, Completely Reconditioned (W9743)
IH F1066D, Gear, Dual PTO, 18 4x38 (W9832)
Case Model 411B, 13x28 Tires 3 Point, PTO (W9906)
IH Farmall H, 12 4x36 Tires Mint Condition (W9625) **$1,200**
Steiger ST280 Cougar III, Dual 20 8x38 (Repossessed)
IH Farmall Super MTA, Power Steering, Belt Pulley (W9620) **$2,395**

USED DISC HARROWS

Bush Hog 12' Disc, Heavy-Duty 9" Spacing (T9847)
Deere 110 Disc, 12', 9" Spacing, Good Finishing Disc (T9807) **$1,900**
Deere 210 Disc, 12', 9" Spacing, 20" Blades (T9074) **$2,200**
Bush Hog 10', Spacing - 9" Front, 7½" Rear, Good Disc (T9109) **$1,675**
Miller, 12' Offset, Spacing 9" & 11", Blades - Good (T9587) **$3,800**
Deere 110, 10', 9" Spacing, Must Go (T8034) **Make Offer**
IH 760 Offset, 14', 9" Spacing, Good All-Around Disc (T9134) **$2,850**
Krause, 2416 Rockflex, Heavy Duty, 26', Rebuilt (T9020) **$12,800**
Krause 4926 Rockflex, 23', 9" Spacing, Less Than 250 Acres (T9801) **$11,000**
IH 350 Disc 10', 7½" Spacing (T9519) **Reduced $1,675**
Deere 310, Heavy Primary Cutting Disc, 12' 11" Spacing (T9318) **$3,500**
Krause 2413 Heavy Duty Rockflex, 21' (T9241)
Krause 2410 Rockflex, 19', Heavy Duty (T9688)
Krause 2416 Rockflex, 25' Heavy Duty Needs Work (T9761)
White Model 256 Disc, 11', 7½" Spacing (T9930)
IH Fast Hitch Disc 16 Blades Fits Farmall 100, Super A, 140 (T9940) **$350**

OTHER USED TILLAGE:

IH 55 Chisel Plow, 11 Shank Mounted, Gauge Wheels (T9796) **$1,850**
IH 710 Plow, 3 Bottom 16" Semi Mount, Automatic Reset (T9916) **$1,800**
AC 1600 Chisel Plow, Mounted 8 Shank, Gauge Wheels, Coulters (T9851) **$1,275**
IH 550 Plow, 5 Bottom 14", Semi Mount (T9857) **$950**
IH 710 Plow, 6F, 16", Semi-Mount, Excellent Buy (T7892) **$2,500**
IH 540 Plow, 4F, 16", Semi-Mount, Good Cheap Plow (T9725) **$1,000**
Brillion, STT-01, 16' Wing Harrow (T9185) **$1,200**
IH 55 Chisel Plow, 13 Shank Mounted, Gauge Wheels (T9894) **$1,800**
IH 311 Fast Hitch Plow, 3 Bottom 14" (T9872) **$350**
Krause 2867 Slicer Chisel, 7 Shank, Traded on 9 Shank - Like New (T9845)
Brillion, 10' Cultipacker (T9077) **$675**
IH 315 Cultimulcher, 12' (T9677) **$1,000**
IH 45 Vibra-Shank Field Cultivator, 12½" w/Drag (T9520) **$1,700**
IH 45 Vibra-Shank Field Cultivator, 20' Hyd Fold w/Mulchers (T9120) **$2,500**
Tebbins 13 Shank Subsoiler, Trailing w/Wings, Automatic Reset (T8187)
IH 2 Bottom Plow for Super C (T8570) **$125**
IH 2 Row Cultivator for Super C or 200 (T9448) **$250**
IH Mounted Cultivator for Super A or 140 (T9381) **$425**
Noble, 6 Row Cultivator w/Folding Wings (T9298) **$3,000**
IH 45 Vibra Shank Field Cultivator 16' w/Mid-west Mulchers (T9474) **$1,350**
IH 4 Row Cultivator, Fast Hitch, Gauge Wheels (T9855)
IH 45 Vibra Shank Field Cultivator 22' w/Hyd Wings, Mulchers (T9926)
White Model 548 Plow 6F, 18" Automatic Reset, On Land (V9927)
IH Fast Hitch Plow, Fits Farmall 100, Super A, 140 (T9941) **$250**
Deere Model F355H Plow, 5 Bottom 16" Hyd Reset, Semi-Mount (T9945)

PLANTERS & DRILLS

Massey-Ferguson, 26A Grain Drill, 15x7 w/Fertilizer, Good Drill (V9852) **$750**
IH 510 Grain Drill, 18x7 w/Fertilizer Double Disc Openers (V9905)
IH 400 Cyclo Planter, 6RN, Fertilizer, Insecticide (V7666) **$2,950**
Deere 7000 Planter, Plate, 4 Row w/Liquid (V8298) **$3,800**
IH 510 Drill, 21x7 w/Single Disc, Fertilizer (V8881) **$2,500**
IH #10 Drill, 13x7 w/Grass Seed (V9569) **$800**
Deere Drill, 15x7, Grass Seed & Acre Meter (V9853) **$1,100**
IH 400 Cyclo Planter, 6 Row 30" (V9430) **$2,200**
AC 600 Planter, 6 Row No-Til, Monitor, Dry Fert, Insecticide (V9376)
IH McCormick Grain Drill, 13x7 (V9534) **$650**
Deere 21x7 Grain Drill, Acre Counter Plain (V9925)
Deere Drill, Model 8300 16x10, Double Disc, Press Wheels (V9922) **$2,800**
IH 400 Air Planter, 8 Row 30" Fertilizer Insecticide No Til Coulters (V9947)

OTHER USED EQUIPMENT

Walsh 3 Point Sprayer 200 Gallon Fiberglass Tank, 24' Boom (V9889)
John Blue, 7000 Sprayer 400G Stainless Steel Tank, 24' Boom, Ground Driven Metering Pump, Ace 850 Agitation Pump (V9814) **$2,700**
Brady 750 Grinder Mixer, 540 PTO, Hydraulic Augers, 12' Discharge Auger (V9858)
IH 234 Cornpicker, Excellent Condition (U9914) **$1,500**
John Blue, Tool Bar Applicator 4 Shank (V9919) **$1,000**
Ford Mower 5' 3 Point Hitch (U9609) **$295**
Deere 1508 Mower, 15', 1000 RPM PTO, Cyl & Hose (U9611) **$4,400**
Rhino Flex 15, 15' 540 RPM PTO (U8991) **$5,500**
Deere 9' Rotary Mower, Model 39, (U9864) **$500**
Meyers 300 Gallon Sprayer w/Boom (V9143)
FMC R10P200 Sprayer w/Hose & Reel (V9073)
(2) 90 Gallon Poly Tanks, Liquid Fertilizer, Monitors (2) 8 Row Pumps (V9924)
Demco Squeeze Pump, 16 Row, (Model MP466) (V9923)
Rhino Flex 15 Cutter, 540 PTO Chain Good (U9929) **$5,500**
IH 540 Spreader, 150 Bushel, Completely Reconditioned, Hyd Endgate (V9769)
New Holland 273 Baler w/Thrower (Consignment) (U9893)
IH 1150 Grinder-Mixer, Hammers Never Turned (U9746)

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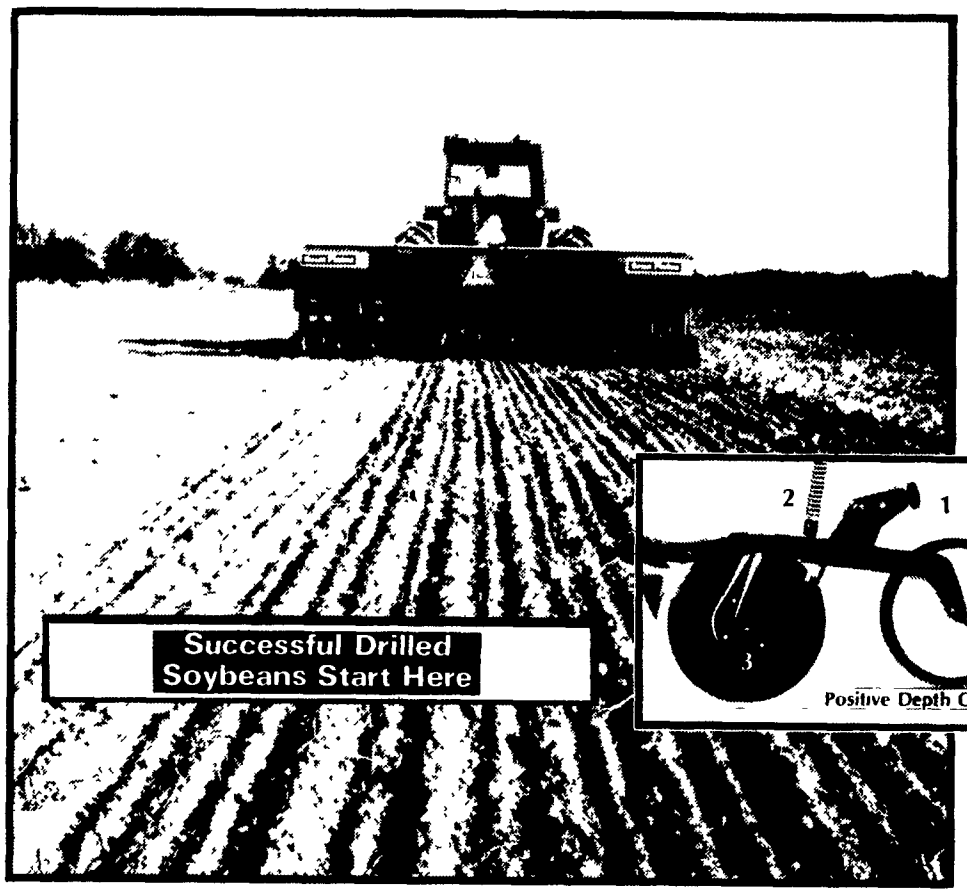
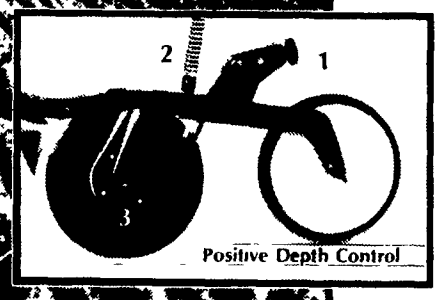
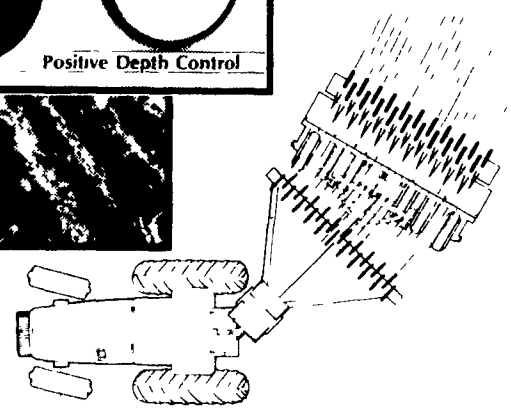




Great Plains Solid Stand® drills have the planting accuracy drilled soybeans need; (1) Depth-Gauging Press Wheels keep the opener from penetrating too deep; planting depth can be quickly changed with exclusive dial-a-depth adjustment system. (2) Double Down-Pressure Springs hold opener firmly in the soil — preventing the bouncing action which leaves seed scattered on top of the ground.

(3) Special Seed Chute places seed in the very bottom of the v-slot, rather than allowing slot to partially close prior to seed release.



THE NO-TILL HITCH THAT WORKS FOR SOYBEANS

Here's why:
A unique pivot between the coulter unit and the drill allows each disk opener to track exactly in the slot cut by the coulter in front — even while the unit is rounding a curve.

Excellent penetration is also achieved, thanks to a heavy-duty framework, calcium-fillable transport tires, and a special weight transfer design which applies some of the weight of the drill itself to the coulters. Should additional weight be needed, specially designed weight brackets are available which accept most tractor suitcase-style weights. In all, up to 400 lbs. of weight per coulter is possible — ensuring penetration even in the toughest ground.

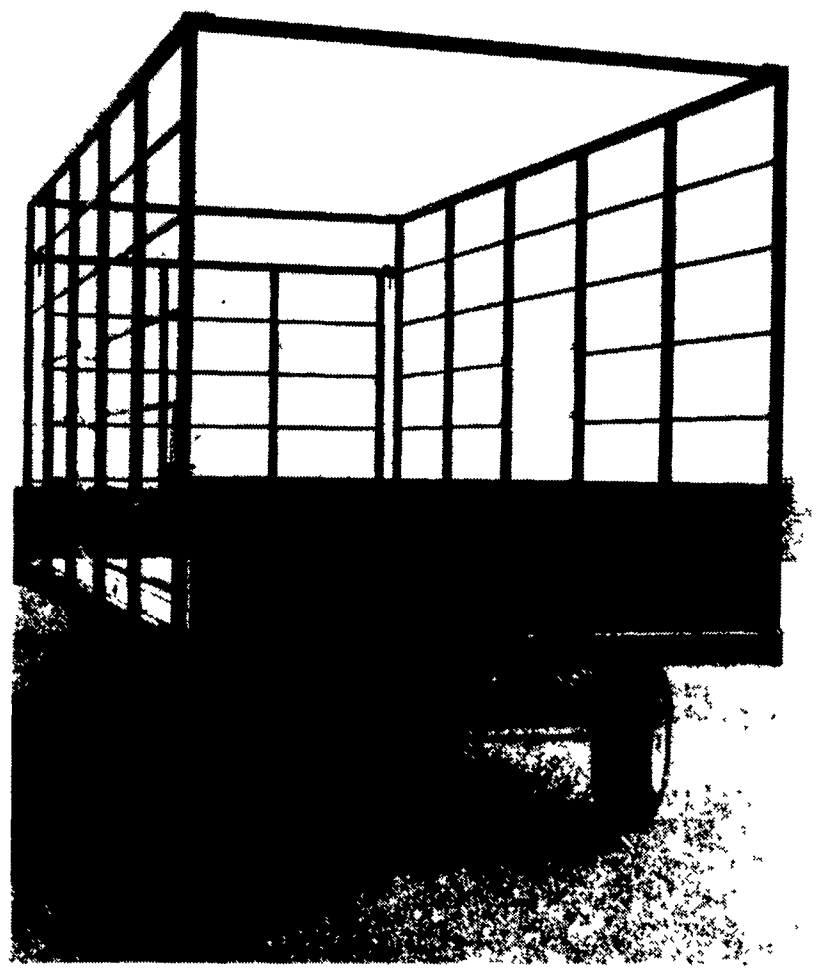
Finally, all Combination Drill Hitches feature a quick hitch for attaching easily to 3-point drills. So you have the flexibility to no-till some acreage, then switch back to a conventional seeding method as conditions vary.

COMPARE PERFORMANCE! COMPARE PRICE!
YOU'LL BUY A Great Plains NO-TILL SOYBEAN DRILL

THE ORIGINAL STEEL BALE WAGON MADE WITH SQUARE STEEL TUBING

CHECK THESE FEATURES AGAINST ANY OTHER BALE WAGON — YOU'LL FIND OURS IS THE BEST!

....Eight foot wide inside by Eighteen feet long.
....Rugged square steel tubing.
....Fold down front gate w/diamond plate platform.
....Swing-out tailgate.
....Unload from side, front or rear.
....Solid oak floor.
....Eight ton running gear w/universal bearings.
....With New 9.5Lx15 tires.
....Backed by Hoober Parts and Service.



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TRACTOR
& ENGINE
REBUILDING
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FOR SALE
A C and Wisc 2 and 4 cyl power units with or without clutch reduction

SPRING GARDEN REPAIR SHOP
RD #1 Box 204
Kinzer, Pa. 17535
Joe S. Stoltzfus

USED TRACTORS

IH W6
JD A Cyclone, Rollamatic
JD 720 Diesel
JD 4010 Diesel, WF
Farmall Super C, Fast Hitch
Farmall H
Farmall Super M
Oliver Hart Parr 15-28 Rating
Huber

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RD #5 Box 303
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3 Miles East of Vira on Old Stage Rd.
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Quality Used Equipment

John Deere design dependability and dealers make the difference

• TRACTORS
JD 4840 Cab, Duals
JD 2020 Gas
IH 1466, No Cab, Duals
JD 4230 Cab, PS, Very Clean
JD 8430 3 pt., PTO, duals

• HAY & FORAGE
(2) JD 3800 Forage Harvesters w/2 row Wide Corn Head
6' Rear Scraper

• MISCELLANEOUS
JD 205 3 pt Mower
8' Rear Scraper

• TILLAGE
Ford Disc 24'
Springtooth 12'
Springtooth 16', Hydraulic wings on wheels
Dunham 14' Packer

• PLANTING EQUIPMENT
JD 1240 4R, Double Disc
Oliver Drill 13x7
AC 330 4 Row Planter
JD 7000 4 RN No-till
JD 1440 4 Row No-till

• COMBINES
(1) JD 15' Rigid Platform
JD 444 Corn Head

—Cooper Ent., Inc.—
"We Cater To All Farmers, Big or Small"
CECILTON, MD
Phone
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Evenings Call
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USED TRACTORS

JD 4040
AC D15
JD 4640
JD 4040 w/Cab
AC 8550
AC 7040 w/Cab
AC 7010 w/Cab
AC WD45

USED COMBINES

AC M2 4 Row Head 15' Platform
AC F w/13' Platform
AC F2
MF 300 13 ft. Platform & Cab

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2 Used Manure Spreaders
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4 Used Haybines
3 Used Plows

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Uniontown, PA 15401
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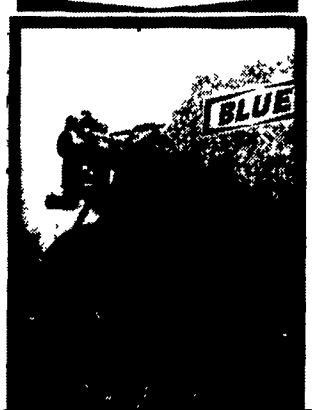
BLUE



FEATURES:

UNBEATABLE ACCURACY
- Blue Metering Pump – L 1094 or L-4400
- Speed Sensitive – Set It And Forget It
- Press Wheel Drive

SINGLE UNIT CONVENIENCE AND EFFICIENCY
- Twin 200 Gallon Polyethylene Saddle Tanks
- Metering Pump
- Pump Mount
- Press Wheel
- Side Saddles
- All Mount Together In One Package – Easy On And Easy Off

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- Pumps Meter Liquid And Suspension Fertilizer And Herbicide
- Use With Planters Discs Our 30 Foot Boom or Other Application Packages

BLUE

FEATURES:

- 500 Gallon Tank (Stainless Steel or Polyethylene)
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- Press Wheel Pump Drive (Manual or Hydraulic)
- John Blue's L-4400 or L-4900 Metering Pump
- 30' Boom 40 Boom or 40 Truss Boom
- Without Boom It Can Be Used As Nurse Unit
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- Venturi Agitation or Sperger Agitation–Blue's Hydraulic 2' Centrifugal or PTO Centrifugal Pump
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IN STOCK FOR IMMEDIATE DELIVERY!

- 7 Shank 200 Gal. Side Dressing Unit
- Model 700 300-Gal. Sprayer with 30 Ft. Booms
- Saddle Tank Set Ups-200 Gal. or 260 Gal. w/Ground Drive Pumps

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ERB & HENRY EQUIP., INC.

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This could be the busiest tractor on your farm.

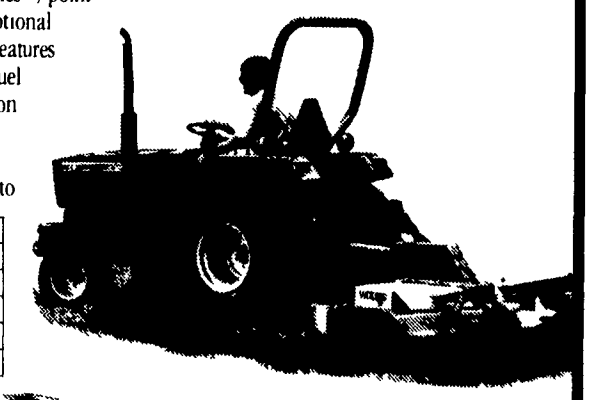
Cleaning the barn Filling chuckholes Plowing the garden Clearing snow Not to mention mowing the yard An International® compact diesel could be one of the most useful tractors you own

All models include features like live hydraulics 3-point hitch rear PTO, tachometer, hour meter, and optional all-wheel drive (except model 274) Additional features such as lighted instrument panel, turn signals, fuel gauge and electric engine shutoff are available on certain models

Stop in soon and test drive one of our International compact diesels It could turn out to be the busiest tractor on your farm

Tractor	PTO HP	PTO RPM
234	15.2*	540
244	18*	540 1250
254	21*	540 1250
274	27*	540
284	27.4**	540 1000

Manufacturer's Estimate
*Official Test



234, 244 and 254 Two and Four Wheel Drive Models In Stock Now

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A real feel for the work you do.

The 782 Cub Cadet diesel tractor is designed to give years of dependable power and performance. It is powered by a smooth-running 15 hp 3-cylinder liquid-cooled diesel engine.

782 DIESEL CADET
With 50" Rotary Mower
Mfg. List...$5,938.00
NOW ONLY **$4,458.00**

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Store Hours.
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- TOP QUALITY BATTERIES •
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EVERYTHING FROM

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AUTOMOTIVE BATTERIES As Low As **$29.95**

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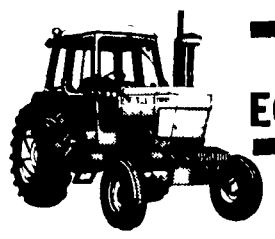

USED EQUIPMENT

Gleaner Model M w/2 Heads
MF 750 Diesel w/2 Heads

IH 86 Hydro w 2350 Loader StillOut On Farm
Case 730 Dsl
JD 2010 Utility Tractor w/Loader
JD 6R 30 Cornhead
JD 3 Pt 18 Rotary Hoe Older Style
717 Combine w/800 series corn head
710 5x18 or 6x18 Automatic Reset Plow

RAYMOND B. LEAMAN
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Midway between Lancaster & Quarryville
off Rt 222 take Brenneman Road
at Graybill Bros Garage, Refton

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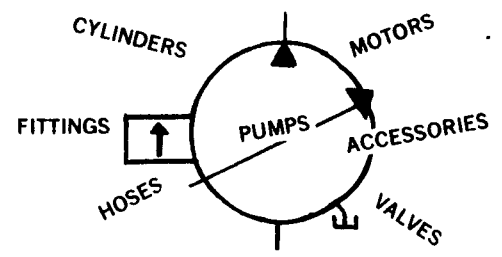

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(Hydrostatic Transmission Repairs)

BEILER HYDRAULICS

Box 587, RD #3
New Holland, PA 17557
(717) 656-2846 (UPS Service)

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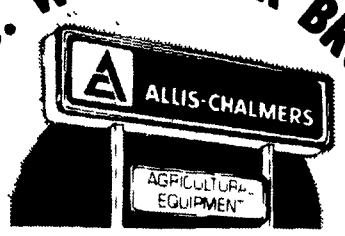
SPERRY NEW HOLLAND

C.J. WONSIDLER BROS.



BRANCH
Rts. 309 & 100
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Mon-Fri. 7.30 A M - 5:00 P M
Sat 7 30 A M - 12 30 P M

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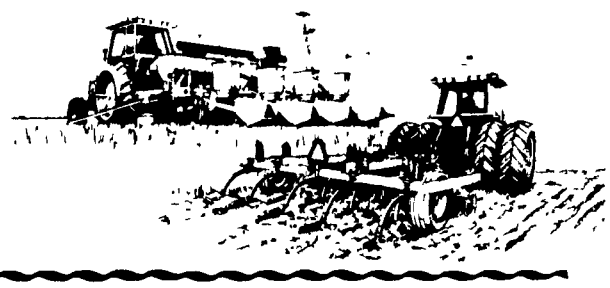
From planting to tillage...it's Allis-Chalmers.

"We got prices that will make you look twice because no one else can match them!"



TRACTORS
AC 7080 Dsl. w/Cab
AC 7050 Dsl. PS, w/Cab
2 AC 185 Dsl.
AC D19 Dsl.
AC D17D.
(4) AC WD Gas
AC CA
JD 2750 D w/40 hrs., like new!
JD 4010 D. w/WFE
JD 4010 D.
JD 3010 D.
(2) JD 60 Gas
JD B Cyclone w/3 pt
(2) JD B Gas
Farmall 460 D.
Farmall 400
MF 180 D. w/loader
MF 50 Gas w/loader
Ferguson 30 Gas
Oliver 1650 Gas
Oliver 500 D. w/3 pt.
Oliver 70 Gas

CORN PLANTERS
AC 600 No-Til 4-row Planter, w/Granular Fert., EX!!
AC 600 4-row Air Champ Planter
AC 600 4-row Planter w/liquid fertilizer
(2) JD 494A 4-Row Planter
IH 46 4-Row Planter
Ford 4-Row Planter

COMBINES
JD 55 Special w/Cab, 12' Grain & 330 Corn heads
JD 55 w/12' Grain & 338 Corn Heads
JD 45 w/both heads
JD 45 w/grain head
Gleaner M2, w/cab, Air/Heat, 15' Grain & 4-row Corn Heads, Low hrs!
Gleaner MKS w/13' grain & 630 corn heads
Gleaner F2 Diesel w/cab, Air, 13' grain & 438 corn heads
Gleaner KKS w/cab, 10' grain & 238 corn heads, Excellent!
Gleaner CII w/12' grain & 438 corn heads
Gleaner E w/cab, 10' grain & 238 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' Grain Head
MF 35 Pull Type
IH 315 w/Cab, grain & corn heads
NH 975 w/11' grain & 238 corn heads
NI Uni-System 702 w/717 Combine, 4-row corn head
NI 767 Chopper w/702, 2-row Corn Head & 761 Pick Up Head

TILLAGE
JD 2600 5B Plow, Adj 14" to 18", like new!
Oliver 6B Spring Tooth Plow
AC 80 Series 4B Mtd., 3 pt Plow
JD 13' Transport Disc
AC 9½', 2300 Disc
Brady 10 Tooth Chisel Plow, w/gauge wheels, like new!
Vicon 14' Power Harrow, Demo!

MISC
(2) Weaverline 223, 24 BU Silage Cart, w/Auto. Charger
Weaverline 330, 30 BU. Silage Cart, w/Auto. Charger
Uebler 35 BU. Silage Cart, w/gas Engine.
Dynavent 7 HP Bedding Chopper, like new!
Gehl 2500 Skid Loader w/both buckets, excellent!!

MANURE SPREADERS
NH 676, 325 BU.
NH 510, 160 BU
NI 218, 265 BU
NI 214, 206 BU
Farmhand M165, 125 BU
Hawk Bilt 207 Tank

"We're Spreading the News."

New Special New Holland Spreaders Sale.
Priced for Every Budget-Save Thousands of Dollars.
"Early Bird Gets the Buy."

(2) NH 213-108 BU
(2) NH 329-138 BU
(2) NH 663-745 Gal.
(1) NH 667-847 Gal.
(1) NH 668-1060 Gal.
(1) NH 791-360 BU
(1) NH 795-410 BU.

USED FORD TRACTORS

		Was	SALE
	TW10 ROPS & sunshade, 1400 Hrs., Exceptional..... 1 Owner		$16,900
	8600 Ford Just Received		$10,500
13971	7600 Ford w/Cab.....	$13,500	$11,500
14340	7710 Ford w/Loader 777D, Low Hours	$23,625	$18,900
13989	5000 Ford 8 Speed, Very Nice	$7,425	$6,900
14547	4000 Ford w/Sauder Loader	$4,590	$4,500
	Several 8N & 9N Fords		
14336	1910 Ford 4WD w/Loader, Very Low Hours	$16,185	$12,500
14698	1900 Ford 2WD w/Belly Mower	$6,615	$6,500

OTHER USED TRACTORS

12664	430 Case	$3,185	$2,750
12807	H. Farmall.....	$990	$975
14055	880 Oliver Diesel.....	$2,600	$1,995
14424	4020 John Deere w/Cab		$8,495
14535	445 M.M. w/Loader (As-Is)	$2,700	$2,000
14790	1955 T. Oliver Tractor, Exceptional ..	$10,125	$8,900
	3010 John Deere		$4,700
13900	184 Cub-Lo-Boy w/Mower.....	$5,400	$4,700
14118	A. Farmall w/Belly Mower & Frt. Blade	$1,755	$1,595
14176	650 John Deere w/Belly Mower, 80 Hours	$8,100	$6,500
14210	850 John Deere	$6,685	$5,900

JUST RECEIVED

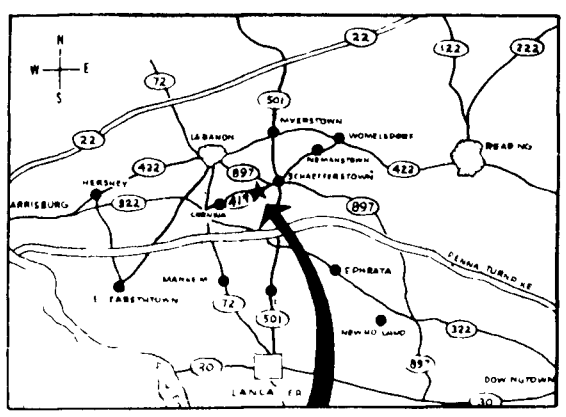
TW10 w/Cab / 800 Hrs.

USED COMBINES

985 New Holland w/13' Grain Head & 4 Row Cornhead ..... $9,450 . $8,500
G-Gleaner w/13' Grain Head & 4 Row N Cornhead $18,000 $17,500

PLANTING EQUIPMENT

Lilliston Demonstrator No-Till Drill (One Only) $16,950 $12,500
4-Row Ford Corn Planter Brand New w/Population Monitor ..... $5,035 . $3,750
New 21' AMCO Wing Disc (One Only). $18,400 $13,900



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PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

SUPER PRICES — ALL BRAND NEW

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SITREX
3 pt. Roto-Tillers w/P.T.O.

(2) Only 50" ..... $ 875
(5) Only 58" ..... $ 975
(3) Only 66" $1175
(5) Only 74" $1275
(2) Only 58" Extra Heavy $1275
(4) Only 72" Extra Heavy $1675
(5) Only 82" Extra Heavy $1775

SITREX 3 pt. HAYRAKES (and TEDDERS)
$495

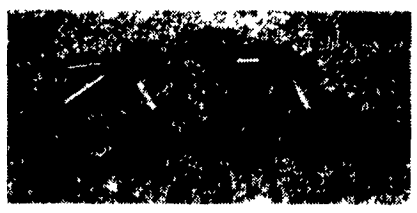
SITREX
3 pt. Seeders w/ P.T.O.

(2) Only PA 100 ..... $295
(4) Only PA 150 ..... $365
(13) Only PA 250 ..... $385
(34) Only PA 300 ..... $395
(4) Only PA 400 ..... $425
(2) Only PA 500 ..... $450

BRAND NEW IMT 539 DELUXE 39 H.P.

Reproduction of Massey-Ferguson 35, Parts Interchangeable
- Live Pto
- Differential Lock
- 3 Cylinder Diesel
- Lights & Linkage
- Deluxe Seat

$6995



SITREX P.T.O. TEDDERS

(1) Only 2 Wheel 3 pt. ..... $ 995
(17) Only 2 Wheel Pull ..... $ 995
(4) Only 4 Wheel Pull $1795

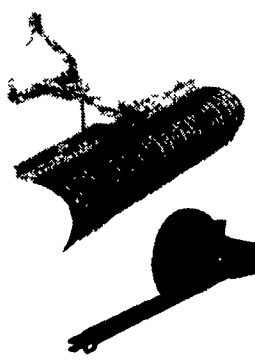
SPEEDY 1200 BUSHEL CORN CRIBS
$850

KING KUTTER ROTARY MOWERS

4' 3 pt. ..... $ 385
4' 3 pt. Heavy Duty .. $ 485
5' 3 pt. ..... $ 395
5' 3 pt. Heavy Duty .. $ 495
6' 3 pt. Heavy Duty .. $ 695
7' 3 pt. Heavy Duty .. $1395
5' 3 pt. Heavy Duty Estate Mower $1295

KING KUTTER LANDSCAPE BOX

6' ..... $ 495
7' ..... $ 595



KING KUTTER STONE RAKES
6'...$495 7'...$550 8'...$595

WETTMORE WAGONS (Less Rubber)

(4) Only 6 Ton 6x15 Rims $450
(3) Only 8 Ton 8x15 Rims Adj. Tounge $550
(2) Only 10 Ton 8x15 Rims Adj. Tounge $625
(2) Only 11 Ton Tandem 8x15 Rims Adj. Tounge $895
All Wagons Are Rear Tie Rods

NEW BACKHOE BUCKETS FOR JD - CASE - FORD

- 12" $495
- 18" $595
- 24" $695
- 36" $895

For Heavy Duty, Add $200

KING KUTTER DISC'S

5½' or 6½' 18" Blades
Notched Front - Plain Rear
$495

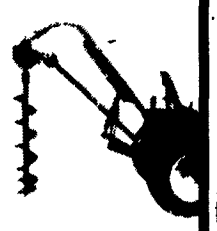
KING KUTTER SCRAPER BLADES

6' Heavy Duty $175
7' Heavy Duty $195
8' Monster Duty $695

SITREX 3 pt. CEMENT MIXERS

Regular Duty $425
TR 25 Heavy Duty $495
TR 35 Heavy Duty $550
TR 55 Heavy Duty $695

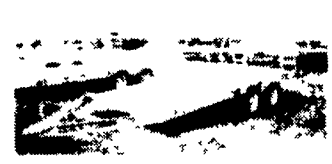
KING KUTTER POST HOLE DIGGERS



Good Quality — Not El Cheapo
6"-9" or 12" Augers (Your Choice)
$495

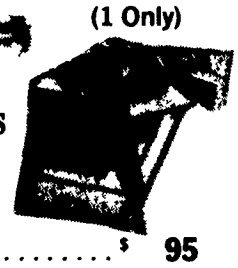
9 TINE CHISEL PLOWS
$495

1985 HUDSON 9500 GVW TRAILERS



All Wheel Brakes, Ramps
14' Bed $1595 16' Bed $1695

DYNA BALANCE SITREX 6' SICKLE MOWER
$1695
(1 Only)



SITREX 3 pt. WOODSAWS
$450

NEW MISC. EQUIP.

1 Row 3 pt. Cultivator ..... $ 95
3 pt. Potato Plow ..... $ 95
3 pt. Boom Pole ..... $ 79
Heavy Duty Boom Pole ..... $ 179
3 pt. Scoop For Dirt ..... $ 395
3 pt. Winch - 3000 lb. Heavy Duty $1495

IMPORTANT INFORMATION

PRICE POLICY GUARANTEE — We Will Not Be Undersold - If You Can Find It Cheaper Anywhere, Bring Or Send Us Proof And We Will Beat It Or Pay The Difference On The Spot In Cash.

SHIPPING — Available At Nominal Charge Anywhere in USA

DEALERS — Call For Quantity Discounts (10 Or More Items)

ALL UNITS — Are Complete With 540 R.P.M. P.T.O.'s Where Necessary

ALL UNITS — Were Chosen By Our Company To Be The Best Available For The Money Spent

It Would Be A Good Idea To Call Before You Come To Check Our Current Inventory Levels. Every Effort Is Made By Our Company To Stock All Items At All Times.

EXCELLENT SELECTION OF AFFORDABLE NEW EQUIPMENT

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TELEX 316290

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JOHN DEERE TRACTORS

A	$850
A w/Widefront	$1500
(2) G	Choice $1500
R-New Paint	$3000
730D-Try-3 pt.-Direct Ele.	$3500
730D-WF-3 pt.-DE-Wts.	$4300
4020D-Diff.-1967-As Is	$5600
3020-Gas-Very Clean-P. Shift	$6500
5020-Cab	$8900
4020-Cab-1968-Super Sharp	$9700
4320-Cab-3800 Hrs.-Nice	$10,500
7520-4 WD-Nice-Air-3 pt. & PTO	$13,900
4230-4 WD-Cab-Quad-Excellent	$15,500
(4) JD 301-WF-3 pt.	Coming In

FARMALL TRACTORS

C w/Mower	$1300
H-Fenders-Clean	$1500
Super C-New Paint	$1650
460-Gas-Try	$2400
560 Gas-New Paint-As Is	$2400
Super AV w/Cultivator	$2900
460 w/Loader	$2900
560-D-WF-FH	$3700
560D-Clean-Wide Front-FH	$4500
806D w/Cab	$5500
1066 w/Rops-No TA-1974	$6200
574-Cab-1975-4300 Hours-Nice	$6500
656D-Hydro-Clean	$6500
574-Cab-1977	$6700
574-Cab-1977-3400 Hours-Nice	$6900
856 w/Cab	$7400
1066-Hydro-1973	$7500
484-Cab-1979-2200 Hours	$7600
784-Cab-3500 Hours-1978	$7900
584 Diesel-1980-1100 Hours	$8900
784-4WD-Cab-1978-3500 Hours	$8900
684-Cab-1980-Nice	$8900
584-Cab-1979-Nice	$8900
1456-Cab	$9650
1066 w/Cab & Duals-1972-Nice	$10,300
1466-Cab-Air-Nice-Weights-1973	$10,800
374-Cab	Coming In

FORD TRACTORS

6000D-Wide Front	$2000
5000D-1973-High HP	$5900
6600-Cab-1977-Dual Power	$6900
6600-Cab-1977-Dual Power	$7400
6600-Cab-1977-Dual Power	$7900
6600D-Flat Deck-1976	$7900
7600-Cab-1977	$7900
4600D-1981	$8200
6600-Cab	Coming In

OLIVER & WHITE TRACTORS

1650 Gas-New Tires	$4500
1750-Cab-3 Speed	$5900
4-180 Duals, Cab, 3 pt. PTO-1977 Air-1800 Hours	$14,900

CASE TRACTORS

1070 w/Cab-As Is	$4500
1070-WF-P.Shift	$4500
1030D w/Cab-Low Hours	$4900
1030 w/Cab-Clean-Low Hours	$5500

IMT & LONG TRACTORS

IMT 539-New	$6995
360 4 WD-New-Was $13,690	$9500
460 4 WD-New-Was $15,373	$11,200
310 4WD w/Loader-New.	$11,900

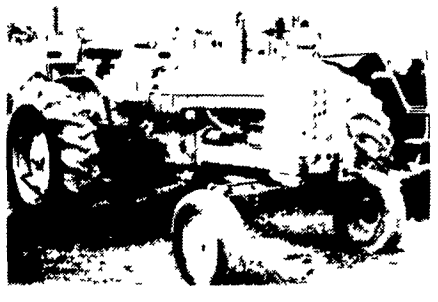
ALLIS CHALMERS TRACTORS

(3) D19 Diesel-1 has Loader Choice	$2850
D19 Gas-Nice	$4300
7000-As Is-Cab.	$4900
190XT-Cab-Series III	$6700
190 XT Series 3-Cab-Nice	$6900
200-No Cab-Nice	$7500
220-Very Nice	$7700
200-Cab-Very Nice-1972	$8500
185-Wts.-Very Nice	$8500
210-Cab-Loader-Nice.	$8900
185 Cab-Air-1978-2200 Hours	$9900

MASSEY FERGUSON TRACTORS

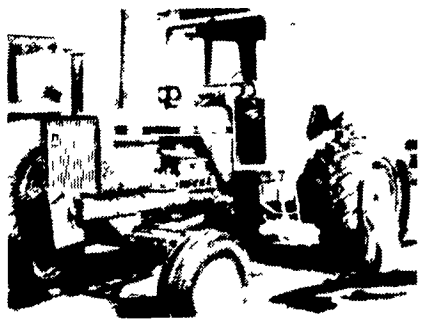
Pony-plow-cult-blade	$1350
30-Needs Tune Up	$1600
165 w/Loader-Gas	$4900
1080D-1969.	$5900
165 w/Loader-Diesel-Nice	$7500
1085D-1977.	$7900
1150-Cab-Duals-Sharp	$8900

FINANCING AVAILABLE WITH 20% DOWN-UP TO 5 YEARS



AC D19 Gas, Clean Tractor
$4,300

REDUCED $300

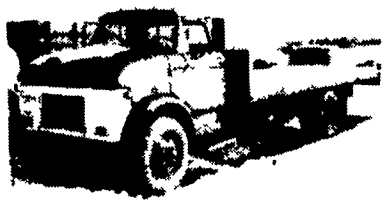


AC 200, Sharp w/Cab
$8,500

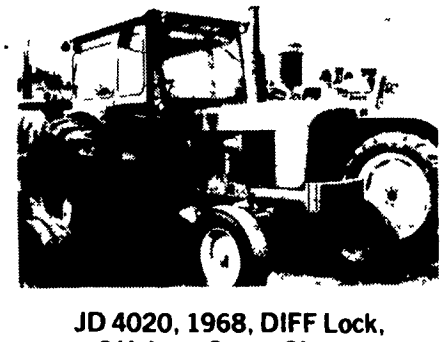
REDUCED $600

AC 185 Cab, Air, 1978
2200 Hours, Sharp
ONLY **$9,900**

REDUCED $350



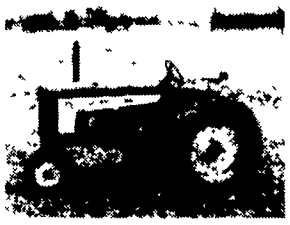
1963 Ford 600 Series
8.25x20 Tires (50%)
24' Swartz Tiltbed w/Winch
Decent Older Truck
$4,500



JD 4020, 1968, DIFF Lock,
2 Valves, Super Sharp,
4400 Hours
ONLY **$9,700**

IH 584, 1979, 2200 Hours,
Cab, **$8,900**

REDUCED $400

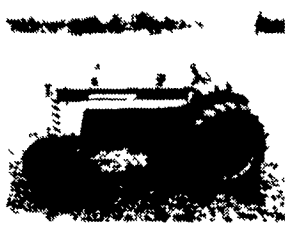


JD 730D, Direct Electric,
3 Point, Nice **$3,500**

MF 1150 Sharp, Lots of
Options, Only 2000 Hours
Cheap Power **$8,900**

JD 5020 - Runs Good
Good Buy **$8,900**

IH 1466, Loaded, Super
Sharp, 2900 Hours, Weights
Galore, Cheap at Only
$10,800.



IH 560 Diesels - From
Average to Excellent
$3,700 to $4,500
IH 560 Gas - Narrow Front
ONLY **$2,400**

IH 574 Cab, 1975
Nice **$6,500**
(2) IH 574 Cab, 1977
Nice **$6,700 & $6,900**

CLEAN COMBINES PRICED REASONABLE

- JD 6600 Diesel Hydro
- IH 615 w/800 Head
- MF 72 w/2 Heads
- White 7300
- IH 205
- Case 600
- MF 300 QT
- IH 82 Pull Type
- JD 3300 Diesel
- NI 705 Diesel Uni System w/Harvester & 3x30 Corn

CONSTRUCTION EQUIPMENT

NEW 1985 TRAILERS ON SPECIAL

- 2 Axle, 4 Ton, 14 Ft. $1595

TRACTORS WITH LOADERS

Big Dipper	$2900
IH 460	$2900
MF 165.	$4900
MF 165.	$7500
Long 310-4WD, New	$11,400

SKID STEER LOADERS

Melroe 600 As Is	$1000
Melroe 371 As Is	$1000
Gehl - As Is	$1900
Case 1740D	$5800
Melroe 731D	$6800
IH 4150 Diesel	$8300

LOG SKIDDERS

Dunham-1975	$6900
Athey	$8200
IH 57C	$9500
Clark 666B-1975 w/Grapple	$19,700
JD 440C-1978	$23,800
JD 440C-1980	$25,300
JD 640 w/Grapple	$26,900
JD 640	$28,900

TRAILERS

1985 2X 4 Ton	$1595
1985 3X 9 Ton	$3900
1985 2X 12 Ton	$5800
1978-25 Ton Fold Gooseneck	$24,500

CRAWLER LOADERS

Oliver HG	$2200
Oliver OC3	$2600
Case 310	$3900
JD 440	$4900
AC HD3	$5900
JD 350B	$13,500
Cat 941 w/4 in 1 bkt	$23,700
Case 850B-4 in 1-Ripper-Cab	$34,500
Cat 951A	Coming In
(5) Case 450	Coming In
(2) Case 450 w/Hoe	Coming In

BACKHOE ATTACHMENTS

JD-Case-AC-Long 3 pt
McConnell 3 pt.

DOZERS

IH TD6-62 Series	$5900
JD 350B	$10,700
JD 450	$10,700
Case 450 6 Way	$12,250
Case 350 6 Way	$12,400
Case 450-4 Way	$12,600
Case 350B-6 Way-1979	$18,200

BACKHOES

Temco 8-New	$3750
MF 65-As Is	$4900
Ford 3500-As Is	$6150
Case 580	$8,400
Case 480	$10,750
Case 580B	$13,250
Case 580B	$13,500
Ford 4500 Cab	Coming In
Ford 550 Cab	Coming In
(4) Case 580F w/Cabs	Coming In
JD 410 w/Cab	Coming In

FORKLIFTS

4000 lb, Solid Tires, Side Shift	$2300
Clark 2000 lb	$2500
Yale 4000	$3500
Clark 8000 lb	$6900
Hyster 10 Ton	$15,000
MF H30 Diesel-1979	$15,900

OFF ROAD ROCK DUMPS

Mack 20 Ton Rock Truck	$73,700
(3) Mack 25 Ton Rock Trucks	$83,800

MISC. CONSTRUCTION

(60) Used Hoe Buckets	From $100
(30) Loader Buckets	From $100
(30) Set Forklift Forks	From $300
Case 580B Cab	$750
JD 350 Winch Attach	$1,850
Sheepsfoot Roller-Nice-9'	$4,500
AC D Grader	$5,900
(6) Winches	Call

RUBBER TIRED LOADERS

Michigan 55	$4900
Trojan Diesel	$6900
Ford A62-Cab	$27,800
Case W20	$28,500
Terex 72/31-1972	Coming In
Terex 72/31-1977	Coming In
Cat 910	Coming In
Ford A64	Coming In
Ford A62	Coming In
Michigan 55B	Coming In
Case W9	Coming In

EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067
PHONE: 717-866-2135
TELEX 316290
NIGHTS, PHONE: 717-866-7147 or 717-273-9089

1 MILE FROM LEBANON VALLEY AIRPORT

IH 484-1979-2200 Hours
Very Nice $7,600

CORNHEADS

AC 2 Row for A, E, K, E III, F - From $500
AC 3 Row for A - $2500
AC 4 Row for G, C, C II L, M, F - From $750
AC 6 Row for C, C II, G - From $2500
JD 2 Row for 40, 45, 55, 95, 3300, 4400 - From $200
JD 3 Row for 45, 55, 95, 3300, 4400
JD 4 Row for 105, 4400, 6600, 7700, Etc - From $850
JD 6 Row for 6600, 7700, Etc - From $5950
IH 2 Row for 91, 93, 105, 203, 205, 315, 303, 403, 615, 715 - From $350
IH 3 Row for 203, 205, 315, 403, 715, QT - From $850
IH 4 Row for 403, 715, 815, 915 - From $1000
IH 6 Row for 815, 915 - All QT - From $3500
MF 2 Row for 300, 410 - From $200
MF 3 Row for 300, 410, 510 - From $1000
MF 4 Row for 410, 510, 750, 760, Etc - From $1500
MF 6 Row for QT - $3000
Oliver 2 Row for 25,525 - From $250
Oliver 3 Row for 525, 535, All QT - From $1000
Oliver 4 Row for 545, 555, All QT - From $1000
Case 2 Row for 600, 660 - From $250
Case 3 Row for 600, 660, 960 - From $1500
Case 4 Row for 1160 - $875
NH 4 Row for 975, 985, All QT - From $2000

BALERS

NH 315 w/Thrower
NH 850 Round Baler
Ford 530
Extra Throwers
Case 220

ROLLBARS & CABS

IH 2 Post w/Roof
IH 806 Cab
Case 1070 Cab
AC 7000 Rollbar
IH 1206 Cab
JD 2 Post Rollbar
JD 4020 Cab
DB 1200 Cab
(30) Combine Cabs
Case 990 Cab
AC 7030-7050-Cab
MM G1000 Vista Cab
Ford 5000 Rollbar
Ford 4000 Cab

SHELLERS & GRINDERS

MM 1200 Sheller
NI 315 Sheller Attach
NI 314 Sheller Attach
NI Super Sheller Attach.
NI 317 Grinder Attach
NI 318 Grinder Attach.
IH 234 Sheller Attach
JD 43 Pull Sheller

PLOWS

AC 2x & 3x5C
JD (3 pts) - 2x-3x
JD (Semi) - 4x-5x-6x-7x
JD (pull) - 2x-4x Reset
JD 1x Reset 2500 Attach
Oliver (3 pts) 2x-3x
Oliver (pull) 3x
White (semi, Reset) 4x-5x
IH 1x (FH & MTD)
IH 2x, 1 pt, FH
IH 3x FH
IH 4x pull
IH 4x Reset (On Land)
IH 550 5x (Semi)
IH 710 5x (Semi)
IH 710 6x (Semi)
Ford 1x & 2x (3 pts.)
MF 880 5x (Semi)
MF 2x Rollover
Oliver 4x3 pt.
JD 5x Rollover
Oliver 3x Rollover

DUALS

18.4x34 MF
18.4x34 Snap On
20.8x38 Axle
18.4x34 Axle
18 4x38 Snap On

WAGONS

Metal Bale Throw Rack
Flat Bed Wagon

HAYBINES

NH 478-7'
IH 1190-7'
Hesston 1070-7'

CORNPICKERS

NI 324 w/12 Roll Bed
NI 324 w/Super Sheller
NI 325 w/Super Sheller
NI 325 w/12 Roll Bed
NI 323-Demo
(2) NI 323 - Used
NI 10 1X Pull

LOADERS

MF Off 165
Loader Off D B. 990
Loader Off AC D19
Ford Off 8N
Freeman Off 880 Brown
AC Off 1600
Loader Off AC 210
IH Off 464
JD 36A Off 1020
Loader Off JD 420
Souders Loaders
Case for 970 & Larger
IH for 300 Utility

DISC'S

IH 8'-10'-11'-13' Transports
Ford 16' Transport
JD Plowing Disc-10'
JD BW-14'
JD 8' 3 pt.
KK 6' 3 pt.
Kewanee 13' Rock Flex
IH 480 w/Wings
IH Cub Disc

HARVESTERS

Fox Super 1000
JD 38
MF 260
NI 705 Uni System
JD 34

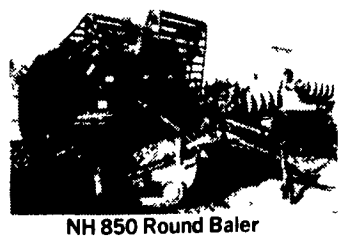
SICKLE MOWERS

JD 9 3 pt
JD 38
IH 3 pt.
Ford 3 pt.
Oliver 3 pt.
IH Cub
IH A-SA-B-BN

CULTIVATORS

Ford 2x-4x-6x
JD 2x (H & 420)
JD RM4
JD RG6
JD RM6
JD 6x Frt Mtd
IH Cub & Super A
IH C-H-M 2x Frt
IH 461 Ftr Mtd. 4x
IH 4x FH
IH 153 4x 3 pt
1x3 pt - New

Field Queen Side Dump Wagon $2,950



NH 850 Round Baler
$3,450

HARVESTER HEADS

NH Pickup for 717-770-818-880-890
NH 1X Corn for 717-770
NH 2x30 Corn for 717-770
NH 1X Snapper for 770-717
NH 2x30 Snapper for 880-890
NH 3x30 for 880-890
NH Cutterbar for 880-890
JD 243 2x30 Snapper
JD 3x30 Corn for 38-3800
MF 3x30 for 260
JD 2x30 Corn for 38-3800
NH 2x40 for 880-892
JD Pickup for 38-3800
Fox 2x30, 2x40, 3x30 Snapper Head
Fox 2x30 Corn
Fox Pickup
IH 2x30 Corn for 50 thru 650
IH Pickup Head for 15-16-350-50 thru 650
IH Cutterbar for 50 thru 650
JD 34 Cutterbar
JD 2x40 for 38-3800
Gehl 3x30 Belted
JD 34 Pickup
NH 2x40 for 717-770
IH 3x30 Belted

LOTS OF EXTRA COMBINE GRAINHEADS TO FIT MOST MACHINES

TRUCKS

1970 Ford 900 Single Axle Construction Dump $7700
1947 Ford Fire Truck $2950
1963 Ford w/22' Tilt Bed $4500
GMC w/Grain Body $1500

FIELD CULTIVATORS

JD 12' 3 pt. | Glenco 13' 3 pt.
JD 18' 3 pt. |

HAY RAKES

JD 567-6 Wheel Pull
Sitrex 4 Wheel-3 pt.
D B Pull
Ford 3 pt

HAY TEDDERS

Sitrex, Grimm

MISC. EQUIP.

Danuser 3 pt Post Hole Digger-Heavy Duty
Corn Drags
LG 36' Elevator
IH Cub & 140 Attachments
Hesston 10W Mower
Farmhand Feed Processor
8' FH Blade
10' & 12' Lime Drills
IH Side Dressers
8' to 12' Spring Tooth Harrows
Hesston 10 Stracker
Tandem Axle Lime Spreader

ROTARY MOWERS

Bush Hog 14' 3 pt.
JD 5' 3 pt.
JD 5' Pull
IH 12' Stalk Chopper
Cub 48" & 60"
Brady 12' Stalk Chopper
Oppel 12' Stalk Chopper
Mott 6' 3 pt Flail
Modern 7' Pull
Toro 3-Gang Reel (SP)
Bush Hog 14' Pull
Lilliston 7' 3 pt
Ford 7' Pull
Woods C80 Pulltype
Woods 6' Offset, 3 pt

FORAGE WAGONS

JD 214 | NH 7
Fox 625 | Gehl

NEW IDEA UNI SYSTEM ATTACHMENTS

731 4x40 Cornheads
743N Cornhead
725 3x30 Cornhead
766 Pickup Head
Extra Grain Heads
728 4x30 Corn Head
760 Harvester
3x30 Harvester Head
705 Diesel Tractor

TRANSPLANTERS

2 Row - Pull & 3 pt

FLAIL CHOPPERS

NH 38

SPREADERS

NH Tandem Axle-250 Bu.
NI 12A - Like New
NH 512

POTATO EQUIP.

Iron Age 2X Planter
1 Row Digger
1 Row Planter
2 Row Digger

CORNPLANTERS

IH 2X Fast Hitch
Ford 6X Pull
JD 246 2x3 Pt
MF 2x 3 Pt -New
IH 56 - 2 Row
IH 449 4x Pull

CHISEL PLOWS

JD 10' Pull
Landoll 10' Pull
5 Tooth V Chisel (3 pt)
Kent 7' Soilsaver
Ferg 8' 3 pt
Lely 12' Roterra
IH 9' 3 pt.

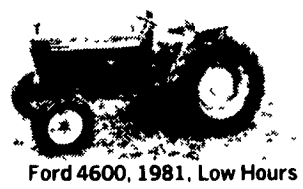
CULTIMULCHERS

Brillion 12'
JD 930 - 12' 3 pt

CULTIPACKERS

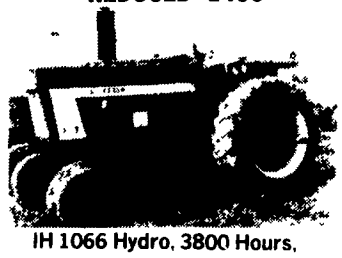
9'-10'-12'
14' w/Transport

REDUCED $700

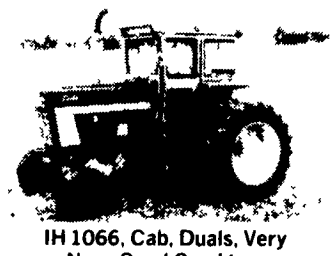


Ford 4600, 1981, Low Hours
New Tires, ONLY $8,200

REDUCED $1400



IH 1066 Hydro, 3800 Hours,
Good Buy At $7,500

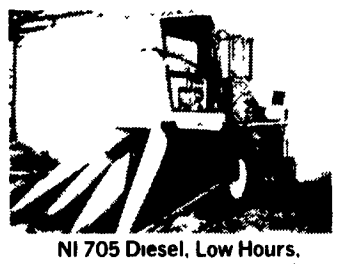


IH 1066, Cab, Duals, Very Nice, Good Condition
ONLY $10,300

IH 784 w/Cab, 1978 Model
$7,900

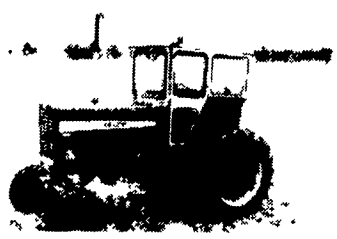
REDUCED $500

IH 1066, Plantation Special, Runs Nice, Looks Poor
ONLY $6,200



NI 705 Diesel, Low Hours, 760 Chopper, 3x30 Head
Very Nice $11,800

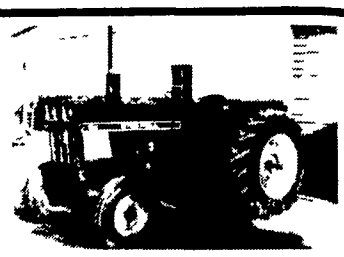
REDUCED $500



IH 856, Cab, 4100 Hours, Good Condition,
ONLY $7,400

REDUCED $1000

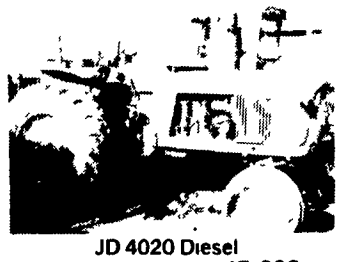
JD 4320, 3800 Hours, Diff Lock, 2 Valves, Super Sharp,
1972 $10,500



IH 584, 1980, 1100 Hours, Excellent, ONLY $8,900

Farmall H, Rebuilt Motor, Exceptionally Clean $1,500

REDUCED $300



JD 4020 Diesel
Mechanic's Special $5,600

Farmall Super AV w/Cultivator, Good Condition
$2,900

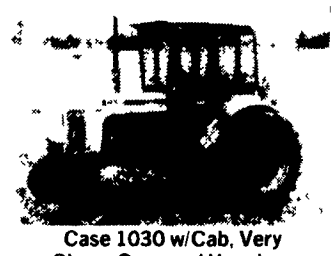
REDUCED $500

Ford 5000, 1973, Low Hours
Clean, ONLY $5,900

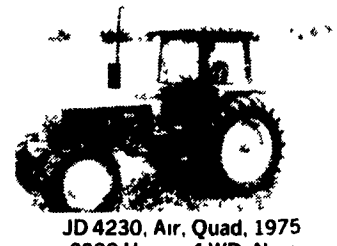
REDUCED $400

IH 656 Diesel Hydro, Super Clean, ONLY $6,500

REDUCED $400 - $700



Case 1030 w/Cab, Very Clean, Origional Very Low Hours 2700 & 3200 Hours
2 To Choose From
$4,900 & $5,500



JD 4230, Air, Quad, 1975
2200 Hours, 4 WD, New Rubber, Very Clean
ONLY $15,900

WENGERS INC.

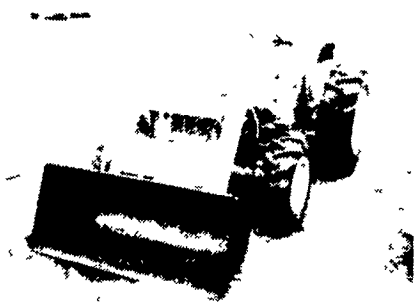
251 SOUTH RACE STREET, MYERSTOWN, PA 17067
PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

TRACTOR CLEARANCE — Must Reduce Inventory

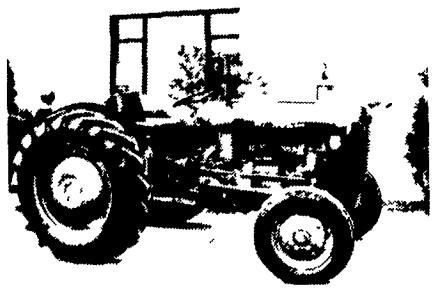
● TRADES WELCOME (Bring Pictures) ● OFFERS CONSIDERED ● FINANCING AVAILABLE

Lots More Not Pictured *For Best Deal, Shop Us Last & Bring Money!*

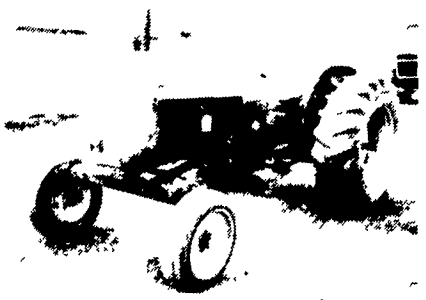


New Long 310 4WD With Loader
List $13,800 Straight Sale $11,900

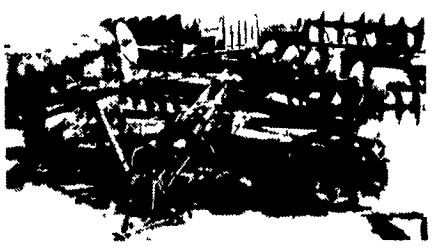
REDUCED $400



Brand New IMT 539
Reproduction of MF 35 Diesel
ONLY $6,995

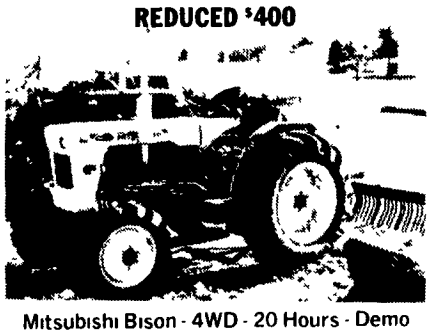


AC D19 Diesels, Choice of 3
One Has Loader
ONLY $2,850 EACH



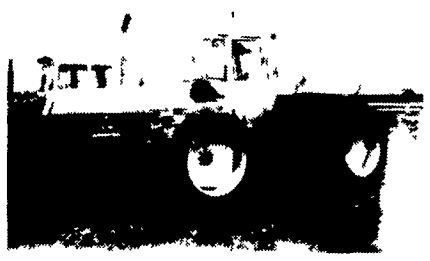
IH 480 Wing Disc
24' w/Cylinder
$2,450

REDUCED $1000



Mitsubishi Bison - 4WD - 20 Hours - Demo
$7,450

REDUCED $500 to $900

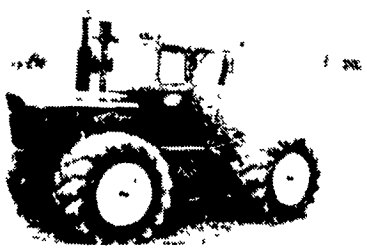


White 4 - 180 - 1977 - 1800 Hours
Cab - Air Duals - 3 Pt - PTO
Very Nice ONLY $14,900

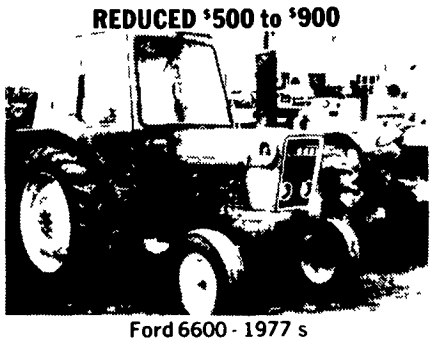
REDUCED $500

Long 360-4WD-NEW
Was $13,690
Straight Sale $9,500

REDUCED $1000

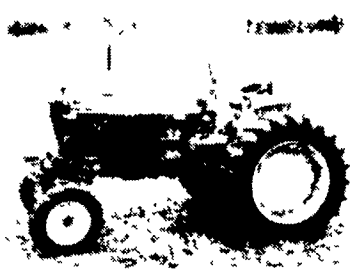


JD 7520 - Very Clean, 3 pt PTO,
30 5Lx32 Tires
ONLY $13,900



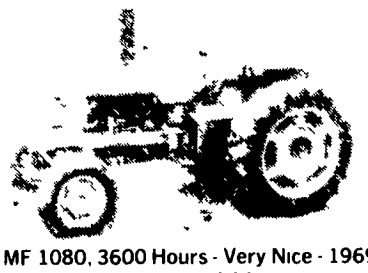
Ford 6600 - 1977 s
Choose From 3 With Cabs
All Have Dual Power
$6,900, $7,400 & $7,900

REDUCED $400



Ford 6600, Nice Unit On Good Rubber
ONLY $7,900

REDUCED $1000 EACH



MF 1080, 3600 Hours - Very Nice - 1969
ONLY $5,900

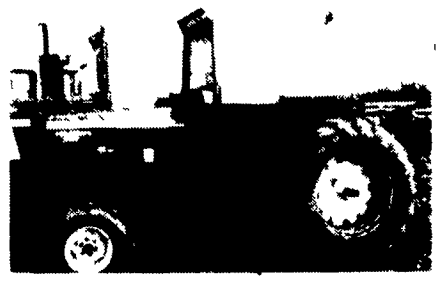
REDUCED $400 to $500

IH 684-1980-2300 Hours
TA-Very Clean-$8,900

REDUCED $500

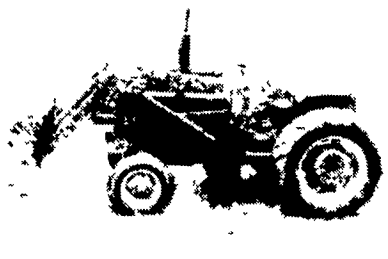
Mechanics Special
Case 1070, Bad Transmission
ONLY $4,500
Will Sell Cab Off For $1,500

REDUCED $400



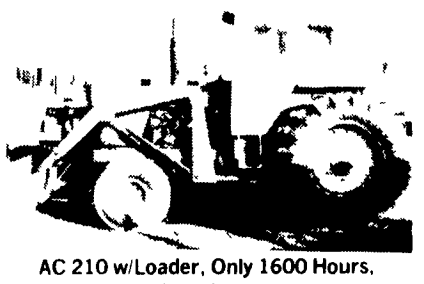
AC 190XT Series 3, Very Clean
One Has 2900 Hours, One Has 4100 Hours
ONLY $6,700 & $6,900

REDUCED $1000

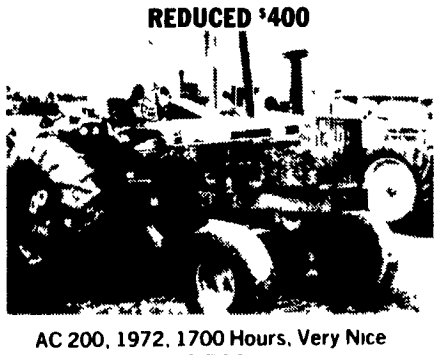


MF 165 Diesel w/Loader $7,500
MF 165 Gas w/Loader $4,900
We Will Sell Loaders Separately

REDUCED $400

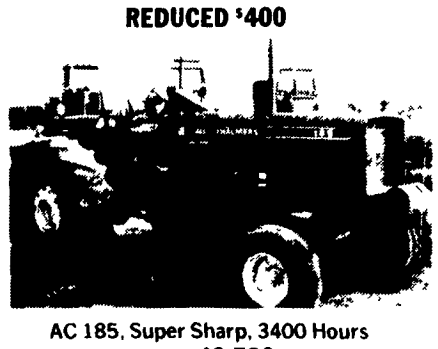


AC 210 w/Loader, Only 1600 Hours,
Very Nice
$8,900 Complete,
We Will Sell Loader Separate

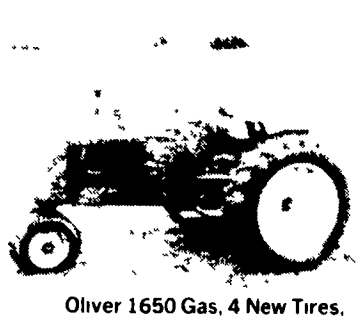


AC 200, 1972, 1700 Hours, Very Nice
$7,500

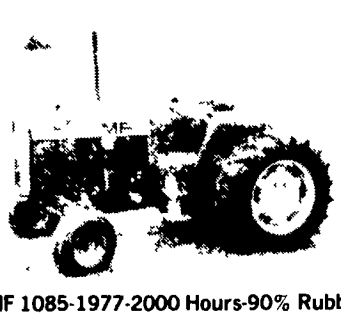
AC 220, Very Clean
Priced To Sell At $7,700



AC 185, Super Sharp, 3400 Hours
ONLY $8,500

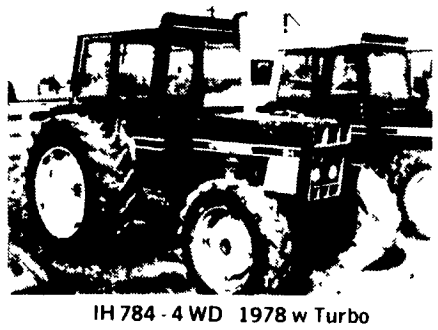


Oliver 1650 Gas, 4 New Tires,
Good Condition
ONLY $4,500



MF 1085-1977-2000 Hours-90% Rubber
ONLY $7,900

IH 1456 Very Nice - Good & Solid
$9,650



IH 784 - 4 WD 1978 w Turbo
$8,900

1977 Ford 7600, 4900 Hours
Very Reasonable $7,900

EXCELLENT SELECTION OF AFFORDABLE USED TRACTORS

TRACTORS

AC 7030	AC 7000D	AC 5040D
AC 7060	AC XT190D	IH 806
AC 7040D	AC 180D	JD 2010
AC 7045D	AC 175D	MF 65G
AC 7050D	AC D19D	Case 1490
AC7020D	AC D14	JD 450 Crawler
AC 7010D	AC 5050D	Oliver 1650D

USED COMBINES (LIKE NEW)

AC MODELS

G-M-C-N-L-F

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IT WILL PAY YOU DIVIDENDS TO CALL US NOW!

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GRUMELLI FARM SERVICE

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ALLIS CHALMERS

USED COMBINES

Waiver of Interest till September 1, 1985

- '71 JD 7700 w/15' cutter bar
- '79 Int. 1460, Low Hrs. w/820 Cutter Bar & 863 Corn Head
- '75 JD 7700 - Rotary Screen, 16' Platform
- '76 JD 7700 Rotary Screen
- '81 JD 8820 4 wheel drive, factory duals, 1100 hrs., with 220 flex cutter bar and 1243 corn head. Excellent Shape
- '80 Int. 1480, 1356 Hrs., w/820 Cutter Bar & 883 Corn Head
- '79 JD 7720 4 WD 1400 hrs. 220 flex cutter bar
- '72 JD 6600 Diesel w/13' Cutter Bar w/Hart Cart Flex Attachment

CORN HEADS

Good Selection of John Deere 443-444-643-644-843-1243 Cornheads

USED TRACTORS

Waiver of interest till June 1, 1985

- '74 MF 175 Diesel
- '80 IH 384
- Kubota 175 w/60" Belly Mower, Excellent Condition
- '69 Oliver 1850
- '75 Int. 1066, Fender
- '84 JD 2350, 90 hrs.

Waiver of interest till June 1, 1985

- '77 JD 8430 w/Dual 20.8x34 Tires, 3 pt. hitch, PTO, 3 Outlets
- '79 Steiger ST 210 Series 3, 4WD with dual 18.4x34 tires, 3 pt. hitch, 1336 hrs. $24,500 reduced to $22,500

CORN PLANTERS

- AC 770 6 row air planter, liq. fert., monitor, insect.
- Int. 8 Row 30, 3 pt. Cyclone Planter

USED PLOWS

- JD F145-5-16 Semi plow w/Harrow attachment

MISCELLANEOUS EQUIP.

- JD 158 loader
- JD 210 disc harrow 14'3", Midwest Buster Bar attach.
- JD 210 14' disc harrow
- Graber 26' flex pull-type chisel plow
- 1 Brillion 4 row cultivator w/heavy spring shanks
- Bish head adapter to install JD corn head on NH TR70 combine
- JD 38 Harvester w/2 RW Head
- Tye drill 24 tine, double disc opener, 3 pt. hitch
- Myers w/8½' Snowplow

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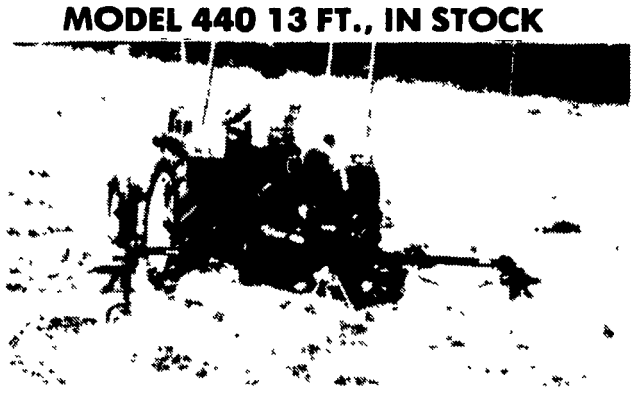
DO YOU WANT FIRST CLASS HAY IN DOUBLE QUICK TIME?

Do It With Kuhn Gyrotedders!

MODEL 440 13 FT., IN STOCK



Gyrotedder GF 440:
Tedder with 4 rotors, trailed or 3-point mounted - Adjustable frame for working along hedgerows... Working width: 13' - Also available with an articulating 3-point frame for automatic towing.

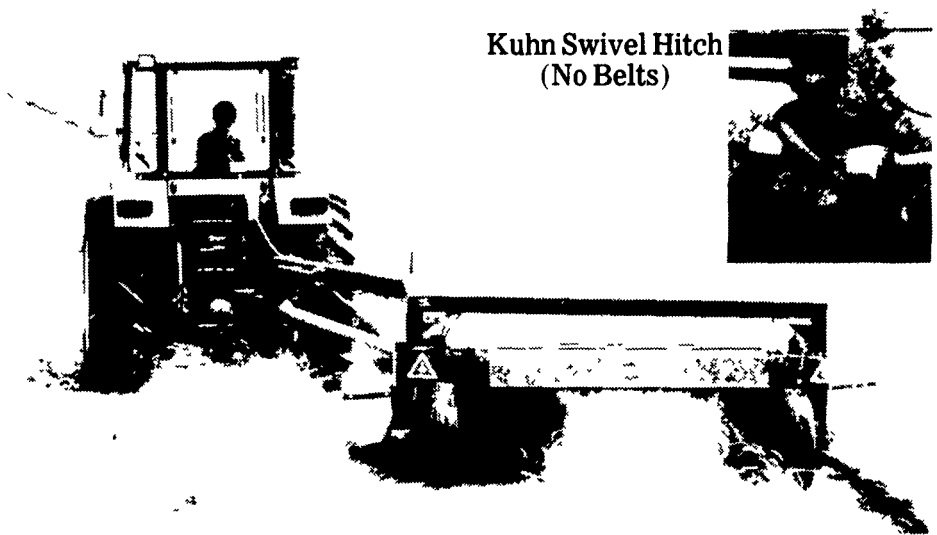
MODEL 452... A Tedder That Works

17 FT., IN STOCK

Gryotedder GF 452:
Tines on gear-driven rotors mesh to crimp hay gently lift, fluff and spread hay for faster curing. Trouble-free operation. No belts or chains. Optional gearbox provides slower rotor speed to produce two light windrows. 17 ft. width. Folds to 6 ft. for transport, 3 pt. or trailing models.

DISK MOWER CONDITIONERS

Kuhn Swivel Hitch (No Belts)



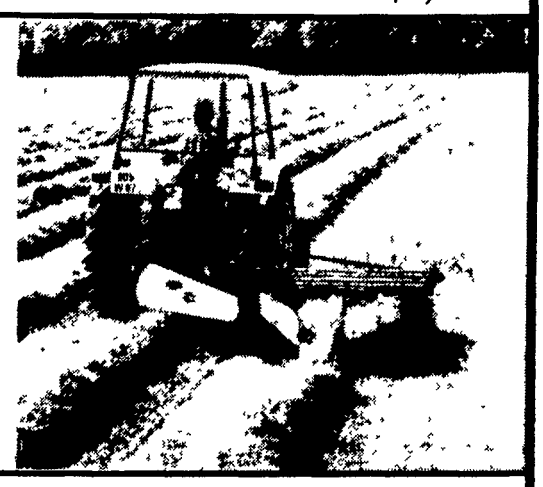
Top Performance At Less Cost Than Other Competition Disk Mower Conditioners

- **FC 300 GD** Pull Type Disk Mower Conditioner, 10' Cutting Width, w/Swivel Hitch
  List $11,045
  SALE PRICE $9,350
- **FC 250** Pull Type Disk Mower Conditioner, 8'2" Cutting Width
  List $9,045
  SALE PRICE $7,250
- **FC 300** Pull Type Disk Mower Conditioner, 10' Cutting Width w/Equal Angle Hitch
  List $10,545
  SALE PRICE $8,950

MOWER CONDITIONER THAT CAN BE USED IN 4 DIFFERENT WAYS:

- Mower - Fluffer (swath plates and comb completely open)
- Mower - Fluffer - Windrower (comb open, swath plates closed)
- Mower - Conditioner (comb positioned as necessary and swath plates open)
- Mower - Conditioner - Windrower (comb positioned as necessary and swath plates closed)

- FC 44 Mounted Disk Mower Conditioner, 5'3" Cut — List $4,690
  SALE PRICE $3,975
- FC 55 Mounted Disk Mower Conditioner, 6'7" Cut (Demo) — List $6,295
  SALE PRICE $4,500



- **GMD 44M** 5'3" Disk Mower, 4 Disk Cutterbar, Mechanical Lift
  List $3,225 — **SALE PRICE $2,750**
- **GMD 55**, 6'7" Disk Mower - The GMD 55 has 5 discs and allows a very fast working rate with its 2 m (6'7") cutting width. This 2 m size is ideally suited for todays tractor widths allowing the tractor wheels to run each side of the swath. The cutterbar is raised through a hydraulic system
  List $3,955 — **SALE PRICE $3,350**

- **GA300 GM GYRO RAKE** Mounted, 10'6" Raking Width w/ Articulated Frame & Balloon Tires
  List $2,055
  SALE PRICE $1,750

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1520 JD diesel, 3 pt. hookup, good cond., best offer.
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Dauphin County
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(2) 510 MF combines diesel, hydrostatic drive w/grain head, also corn heads available.
J & L Equipment
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JD 6600 Diesel Combine hydrostatic, 4 row narrow corn head and 13' grain head w/floating cutter bar.
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evenings

If You Haven't Checked John Deere's Deal, You Haven't Gotten The Best Deal

ROCK-RESISTANT DISK

Exclusive DuraCushion™ disk improves disking results in rocks

- **MODEL 215** Dura Cushion Disk, 11'5", w/Furrow Fillers, Covers 12'10" Overall

$6375
Until Expiration Of Sales Program

- **MODEL 215** Dura Cushion Disk, 12'10" w/Furrow Fillers, Covers 14'4" Overall

$6,775
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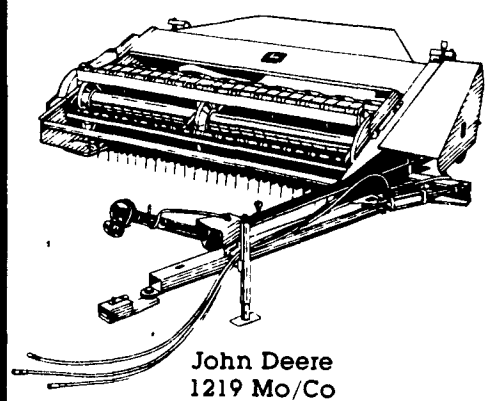
EASY ADJUSTMENTS



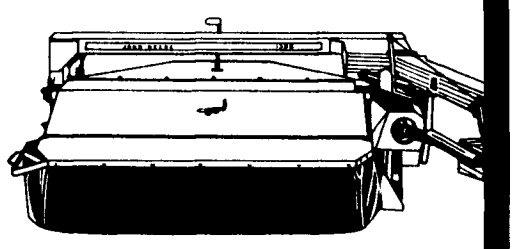
John Deere 1219 Mo/Co features simple adjustments for easy servicing

- **MODEL 1219** Mower conditioner, 9'3" Cut w/Deere's Exclusive Non-Clog Guards

$7890
JD Customer Discount -$ 450
$7,450

Plus Waiver of Finance Charges Until Oct. 1, 1985 (This Price Good Only Thru May 21st)

CUT THICK, TANGLED HAY



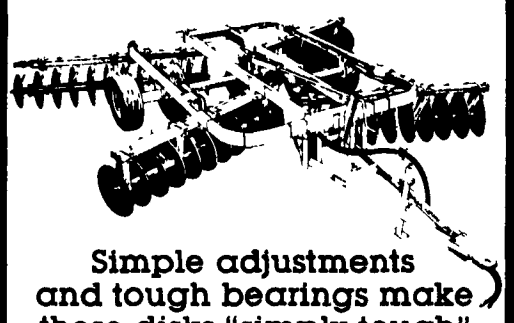
John Deere's 1326 Mo/Co features rotary cutting action for wet, tangled hay

- **MODEL 1326,** 7'10" Demo

$7500
JD Customer Discount -$450
$7,050

Plus Waiver of Finance till July 1, 1985

LEVEL-ACTION™ DISKS



Simple adjustments and tough bearings make these disks "simply tough"

- **MODEL 215** Disk, 11'5", 22"x.180 Blades Cushion Gang Att., Furrow Fillers, Covers 12'10" Overall

$5,975
Until Expiration Of Sales Program

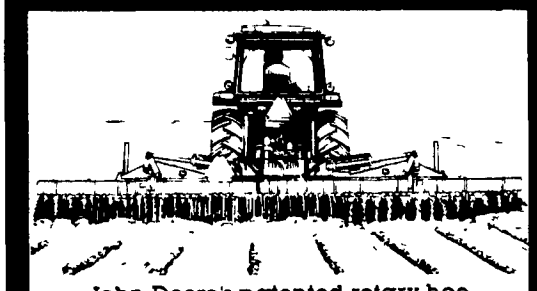
- **MODEL 115** Disk, 11'5" w/9' Blade Spacing, 22"x.180 Blades, Furrow Fillers, Cushion Gang, Covers 12'10" Overall

$5,150
Until Expiration Of Sales Program

- **MODEL 115** Disk, 10'0" w/9' Blade Spacing, 20"x.180 Blades, Furrow Fillers, Covers 11'5" Overall

$3,525
Until Expiration Of Sales Program

Save your crop



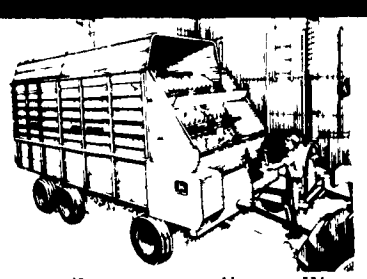
John Deere's patented rotary hoe design makes it the #1 tool for breaking crusts that threaten your crop

Rigid or folding John Deere 400 Rotary Hoes offer a patented design that shatters crusts and knocks out small weeds That's why they're the number one seller

- **MODEL 415** Universal Rotary Hoe, 15' w/52 20½" Wheels, Operators Shield, Parking Stand **$2,385**

(This Prices Good Only Thru May 21st)

Fast unloading



Keep your silage operation rolling with John Deere forage wagons

- **MODEL 716A** Forage Box, 16 Ft. 677 Cu. Ft. w/High Sides, 3rd Beater & Hood

$6,850

- **MODEL 1275** Tandem Running Gear, 12 Ton w/10.00x15 Tires & Wheels

$2,035

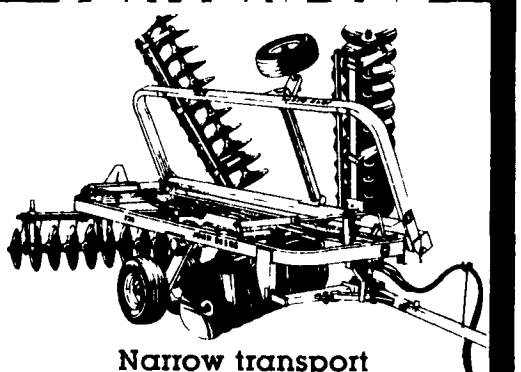
Boost beef profits

Renovate pasture in one pass with this Powr-Till™ seeder

- **MODEL 1550** Powr-Till Seeder, 7'w/Carbide Cutting Wheels, Demo

$8,500

NARROW 235 CENTERFOLD



Narrow transport helps make all of your fields easily accessible

- **MODEL 235** Center Fold Disk, 15'8", 22"x.250 Blades, Wing Fold Cylinders, Furrow Fillers, Covers 16'2" Overall

$8,450
Until Expiration Of Sales Program

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IH 664 Tractor
IH 3444 TLB
(2) Farmall H
David Brown 995
JD 40 TLB
JD 4400 Combine, 13' Grain Head, 36" Row C.H.
Ford 800 Gas, SOS, PS
Ford 7700 4WD
Ford 8000
(2) Satoh Beaver Dsl. 2WD w/Mower
(2) 8 N's
7710, 700 hrs.

EQUIPMENT

(2) NH 489 Haybine
NH 269 Baler w/thrower
JD 336 Baler w/Kicker
NH 718 Fg. Harvestor Corn & Grass heads
NH 770 Fg. Harvestor w/corn head & elec. controls
24' Int. Field Cultivator
Ford 241 10' Disc Harrow
(2) Ford 11 tooth Soil Savers
Lawn & Garden Tractors w/Mowers & Snow Blowers.

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BALERS:

N.H. #270 Baler	$1150.00
N.H. #67 Baler	$550.00

SPREADERS:

N.H. #513 Spreader	$1075.00
N.H. #362 Flail-Tank Spreader	$1075.00

HARVEST EQUIP.

N.H. #880 Harvester-New Knives	$1875.00
N.H. #717 N-2 Head	Save
HESSTON #7160 Harvester w/4-Row Head & 7' Pick-up Att. (Good)	$9950.00
N.H. #8 Forage Box W/3rd. Beater	$2350.00

MISC. EQUIP:

I.H. #56 Blower	$895.00
1-Van Dale Magnum Unloader	
1-14' Van Dale Unloader Complete w/5 H.P. Motor	$2250.00
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JD Grain Drill	$1,100
JD 210 Disk	$2,500
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Oliver 5 Bt. 16 Ft. Auto Reset Plow	$1,500
Pittsburg 18 ft. Disk	$3,000
12 Ft. Culti-Mulcher	$300
IH Haybine	$400
IH 46 Baler w/Kicker	$500
IH 350 Chopper	$300
Century 300 Gal. Spreader	$800
MF 1100 w/Duals	$5,500
MF 203 Loader	$4,000
Case 660 Combine w/3 Heads	$5,500

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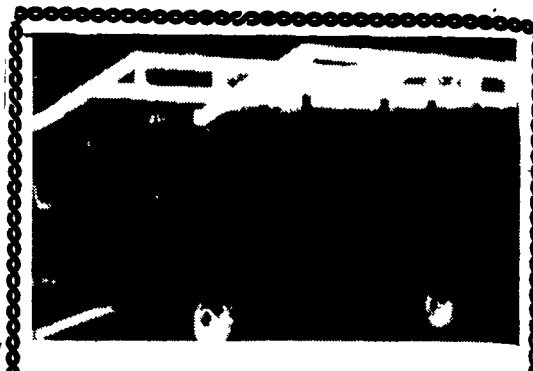

All oak bale wagon racks
16'L - 8' W - 7' H
Painted red and white $450.00
Without Paint..... $415.00
16' Oak wagon bed..... $175.00
8 ton wagon gear, used tires and tubes $485.00

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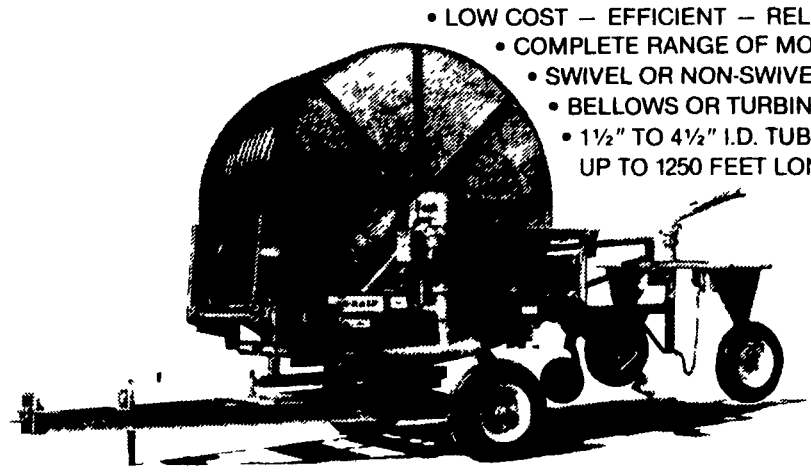

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JD 4630 Dsl.
JD 1530 Dsl.
JD 3020 Dsl. S/R w/48 Ldr.
JD 3020 Dsl.
JD 2510 Gas w/Roll-O-Matic
White 2-105 Dsl.
Oliver 1650 Gas
IHC 1066 Dsl. w/Cab
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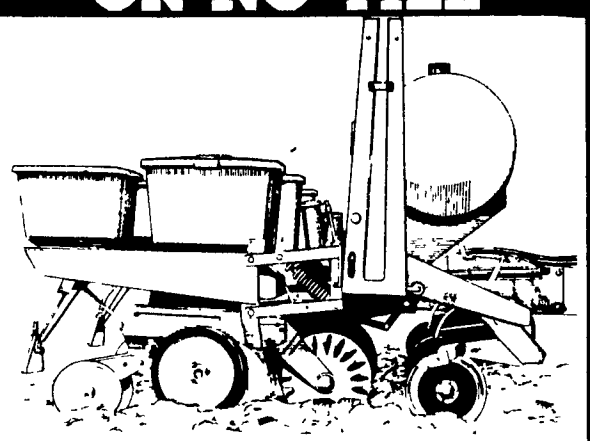

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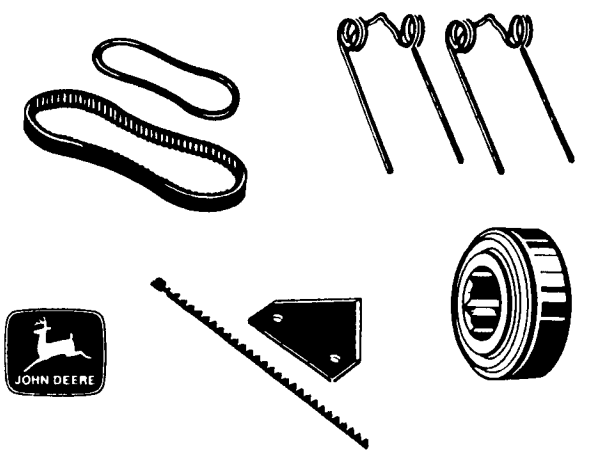

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JD KBA 32B1 Disk on Whls.
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JD AW 28B1 10 ft. Disk Harrow
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JD 1240 4R38 w/Dry Fert.
JD 494 4 Row w/Dry Fert.

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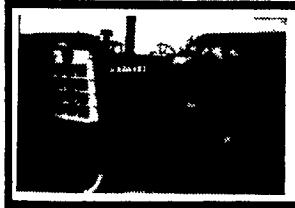
John Deere 2600 Semi Mtd. Plow 5-Bottom 18" Spring Reset

Massey Ferguson 300 Combine w/Cab-Air 13 Ft. Platform 3R "N" Corn Head



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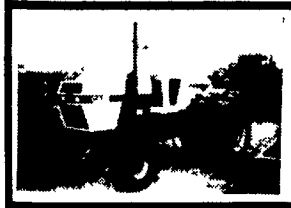

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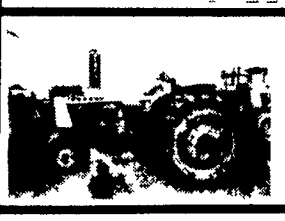

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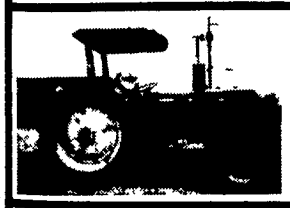

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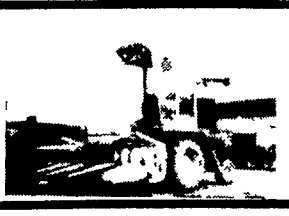

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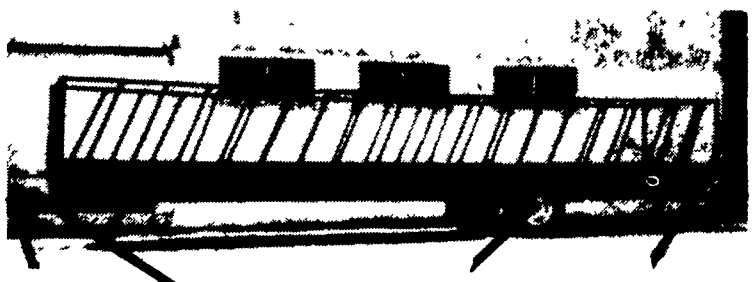

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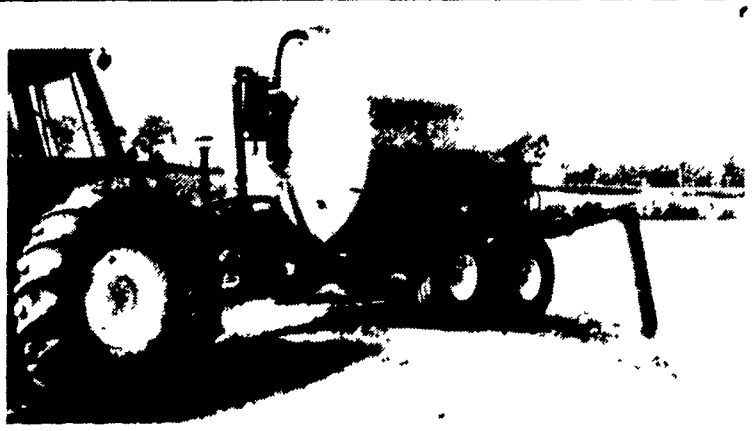

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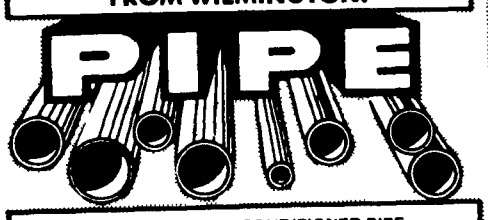

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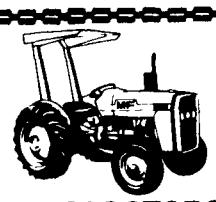

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- 5415 IH 544G
- 6215 IH 606
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- 5793 Deutz DX 160
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- 5784 JD 4630 w/Cab, Duals
- 2845 JD 4430 w/Cab, Duals
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- 5713 IH 510 Drill
- 2763 IH 620 Tandem Full Press Drill
- 3098 IH Dual Hitch for 5100 Drill
- 5786 IH 510 Drill
- 5765 JD 246B Drill
- 5766 JD E9300 Drill Attachment

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- 5870 IH 2350 Loader w/84" Bucket
- 5484 IH 2001 Loader
- 6219 IH 57 Baler
- 5487 NH 280 Baler
- 5164 NH 479 Haybine
- 5402 NI Rake
- 5373 Ag-Chem 500 Gal. Poly Tank
- 3111 Agrotec 400 Gal. 30' Sprayer
- 6034 John Blue 700 Series Sprayer

TILLAGE

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- 5277 IH 55 Chisel Plow
- 3450 IH 470 Disc 16'
- 5868 IH 370 Disc 12'
- 5950 Brillion Packer
- 5615 Brillion SC-01 Filed Cultivator, 20'
- 5937 Krause 1928 Disc 25'
- 5054 Krause 2143 Disc 42'
- 5457 Krause 2413 Disc 23'
- 5578 Krause 3 Bar Harrow
- 5561 JD 210 Disc 13'
- 3453 JD 5 Bot. Plow
- 5419 JD 22 Shank Chisel Plow
- 6247 J.D. 310 Disk
- 3452 MF 800 Plow, 7 Bot.
- 5121 Dunham Lehr 29' Crowfoot Packer
- 5534 Glencoe Soil Finisher, 20'
- 3301 Wilrich Field Cultivator, 37'
- 5564 AC 2300 Disc 14'
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IH 480 13' Disc Harrow
IH 4500 12' V.S. Field Cult
IH 5509 3 pt. Chisel Plow
IH 5511 3 pt Chisel Plow
IH 496 19' Disc

NEW PLANTING & SEEDING EQUIPMENT

IH 800 4R Plate Planter
IH 800 4R Air Planter
IH 800 6R Air Planter
IH 5100 18x7 Plain & Fert. Drill
IH 5100 16x7 Plain & Fert. Drill
IH 5100 20x6 Plain & Fert Drill

NEW MATERIAL HANDLING

IH 540 Spreader
IH 550 Spreader
IH 560 Spreader
IH 1250 Grinder Mixer
IH 2250 Loader
IH 40 Heavy Duty Blade

NEW HAY & FORAGE EQUIPMENT

IH 86 Hay Rake
IH 600 Forage Blower
IH 435 Baler w/Thro
IH 1190 Mower Cond. 9'
IH 3450 Round Baler
IH 781 Harvester w/2 Hds
IH 881 Harvester w/2 Hds
IH 130 Forage Box

USED TRACTORS & EQUIPMENT

IH 1086 w/Cab	$20,950	IH 710 5F 16" Plow w/Cyl.	$2250
IH 986 w/Cab & Duals	$19,500	E-Z Flow 12' Fert. & Lime Spreader	$650
IH I-656 G, R.C. Tractor	$3950	IH 510 SD 16x7 Drill	$3500
IH 886 w/ROPS 18.4x38 tires	$12,000	JD FB 13x7SD Drill	$850
Dual Whl. attach. 18.4x38 w/tires	$750	Ont. 16x8 Hoe Drill	$1250
Dual Whl. attach. 18.4x34 rims	$650	IH MF SD 13x7 Drill	$300
NI 323 1R Corn Picker	$2650	IH 56 2R DD Planter	$850
IH 46 Baler w/Thro	$1250	IH 56 4R Planter	$950
IH 37 Baler w/Thro	$1750	IH 400 4R Planter	$950
IH 650 Forage Harvester w/Hds.	$1250	IH 400 6R Planter w/Insect.	$2750
IH 401, 12' (like new)	$575	NI 214 Spreader 3 Beater	$950
McCon 16' Trans. harrow	$1750	IH 550 Spreader	$1350
IH 531 3F 14" 3 pt. Plow	$475	IH 56 Forage Blower	$750
IH 540 4F 16" Plow	$1150	IH 5 Flail Chopper	$350
IH 550 5F 16" Plow	$1250	Little Giant 38' Elevator w/Motor	$1250
IH 55 11' 2R 3 pt Chisel	$875	Cagle 500 Gal Sprayer w/tandem (new)	$4350
IH 510, 5F 16" Plow w/Cyl	$1650		

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Evenings - 717-524-2924 - Frank Saner

NI - Badger - Kewanee - Vermeer

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Every size manure spreaders
Solids plus manure spreaders
NI 6 row narrow double frame corn planter
NI 279 cut-ditioner
NI 484 round baler
Badger wagon
Badger blower
Badger bale chopper
Kewanee 12' tillage saver
Kewanee 12' roller harrow

USED EQUIPMENT

NI 224 Manure Spreader
NH 256 hay rake
NH #56 hay rake
NI 717 combine
NI 680 forage chopper
(3) Badger forage wagons
14' Roller Harrow
NI 382 Solid Plus Manure Spreader (Demo)

EQUIPMENT FOR RENT

3,350 gal. manure tank
Lagoon manure pump
Vermeer no-till grain drill

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USED TRACTORS
Farmall H
AC C
JD 4010
JD 60 w/loader
AC 6080 w/cab
AC D17
AC 170
JD 4320 w/cab
IH 300 w/loader
Ford 8N
MF 65D

NEW TRACTORS
AC 6140 2WD
6060 2WD
6070 2WD
6080 2WD
6080 FWD
8030 FWD
KUBOTA M4950
M5950
G B,L & M series

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GEHL:
Skid Loaders
Grinder Mixers
Forage Blowers
Forage Harvesters
Forage Boxes
Wheel Rake

VICON:
Wheel Rake
Rake Tedders
Disc Conditioners
Fert Seeders

BOBCAT:
Skid Loaders

CAGLE:
Sprayers, Tanks

DEMCO:
Sprayers

E-Z TRAIL:
Wagons
Gravity Boxes

MEYER:
Manure Spreaders
Feeder Wagon
Forage Boxes
Bale Racks

BUSH HOG
Mowers
Disc Harrows
Soil Hogs
Loaders

WOODS
Mowers

KNIGHT:
Spreaders

AMCO:
Disc Harrows

GLENCO:
Soil Savers
Field Cultivators

J & M:
Gravity Box
Augers

16' Steel Bale Rack
6 Ton Wagon
Used Tires
$1595

3 Pt. 4 Wheel Rake
$495

3 Pt. 5' Rotary Mower
$495

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Lamco
Badger
Kasten
Grove

Mower Conditioners
NH 489
NH 469
Vicon 240
Hesston 310

Skid Loaders:
Owatonna 1700

Misc.
30' Elevator
Glenco 7 Shank Soil Saver
10' Bush Hog Disc
IH 11' Chisel 3 Pt
Gehl 99 Blower (2)
JD 35 Forage Harvester
MF 43 Grain Drill
AC 438 Corn head

Peterman Farm Equipment
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Carlisle, PA 17013
MF KUBOTA

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Ford 9N SOLD der
Ford 901 w/loader
New Ford 2910
Ford 4000 1966
Ford 4000 1968
Ford 4110
Ford 4610 w/cab
(2) Ford 5000
Ford 5000 SOS
Ford 6600 dual power w/cab
Ford 6610 w/cab
Ford 6610
Ford 6610, 4WD
Ford 7400, 4WD
Ford 7600
Ford 8200, 4WD, 110 h p
Ford 8600 1972 w/dual power
Ford 9700 cab, DP
Ford TW15 w/cab & air
Ford TW20 cab & air
Ford TW25 4WD no cab
Ford TW30, 4WD, w/cab & air
JD 1030 hi-lo, w/cab
New JD 164 55 h p (sam 2350) SOLD
JD 2030
JD 2130 1975, w/cab
JD 3120 1969
JD 4040 2WD w/cab & air
JD 4240 2WD w/cab & air
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Case 2090, 2 WD w/cab & air
Case 239 SOLD
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New Landall 5 Shank Soil Master
JD 1610 Pull Type 11' Chisel Plow
JD 1710A Pull Type 11' Mulch Tiller
JD 2700 6 Bottom Spring Reset Plow
JD 2600 5 Bottom Spring Reset Plow
JD 1010 13' Field Cultivator
JD 900 V-Ripper 7 Standard
JD 27 Flail Shredder

JD 335 Disc 24' 11" Spacing

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JD 8450 400 hrs., PTO, 3 pt.	$59,000
Oliver 1650 Diesel Overhauled	$ 5,500
JD 4440 w/SG, 500 hrs.	$29,000
JD 2020 w/Hi-Lo, 1900 hrs	$ 6,500
IH M Diesel	$ 800
IH 1486 w/Duals	$17,500
JD 2940	$15,000
JD 2510	$ 5,500
JD 730 Dsl	Coming In

COMBINES

JD 6620 Sidehill w/643 C.H.	
IH 205 Combine w/3R C.H.	$ 5,500
NH TR 70 w/6 Row Head	$19,900
68 JD 45	$ 5,000
MF 300 Massey w/heads	$ 6,500

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JD 680	$4,500
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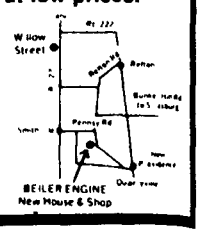

USED TRACTORS

JD 4430, cab, air, quad range
JD 4430, power shift, roll guard
JD 4230 narrow front
JD 4020, power shift
JD 2020 diesel
JD 2020 w/loader
JD 20 loader SOLD
JD 2510
JD 2030 Diesel
Int. 986 cab & air
IH 1066 w/cab
IH 966
IH 766 w/cab
IH 656 front SOLD
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Ford 850
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MF 205, 4WD
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Int. 5 btm. 18" spring reset plow
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GRINDERS & MIXERS

Gehl 120
Gehl 95
Gehl 65
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NI 702 tract SOLD 710 combine
MF 410 hydro.
444 JD corn heads
443 & 643 corn heads
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Fox 2 row snapper head
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Late Model NI 702 uni tractor
Fox 2 SOLD
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NH 478 haybine, like new
NH 472 haybine
NH 489 haybine
NH 467 haybine
NH 469 haybine
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Gehl 1090 haybine
IH 990 haybine
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M-C 9' rotary sythe, like new
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NH 1010 Bal SOLD gon
NH 1030 Bale Wagon

NH 1049 SELF PROPELLED BALE WAGON W/CAB EXCELLENT CONDITION

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Int. 510 grain drill
JD 7 btm., on land hitch, hydraulic reset plow
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New NH 946 SOLD Tank Spreader $5,700.

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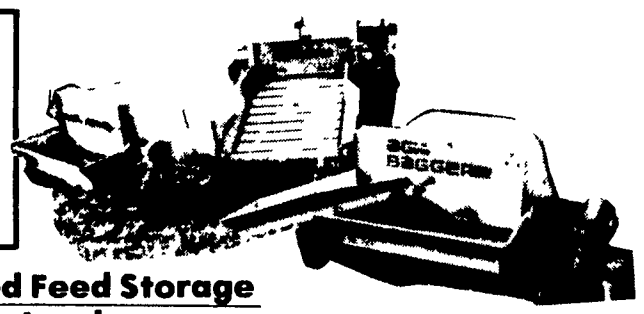

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Custom Bagging - Haylage, Silage, Rye, Etc.
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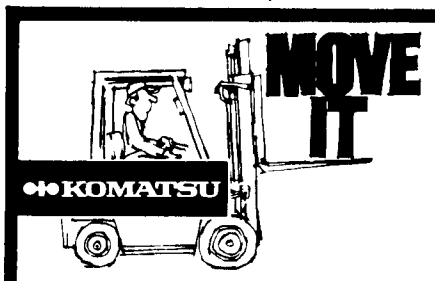

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KOMATSU - 3000 lb. - 118" mast, pneumatic tires - low hours	10,500
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BAKER - 4000 lb. - 2 stage mast, cushion tires - as is	2,200
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CLARK - 4000 lb. - 154" mast, cushion tires, LP - repainted	5,500

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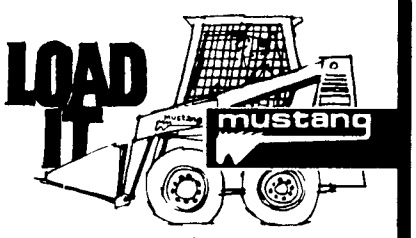

MUSTANG-445 Diesel, Hydrostat drive	10,975
MUSTANG-440 Diesel, Hydrostat drive (repainted)	11,500
MUSTANG-440 Gas, Hydrostat drive	9,995
MUSTANG-330 Diesel, Hydrostat drive	4,500
MUSTANG-1200 Gas, Belt drive	4,500
MUSTANG-770 Diesel, Hydrostat drive, Articulated steer	9,500
HOUGH-H-25 Loader	995
INTERNATIONAL 3200-A Gas, Hydrostat drive	4,800
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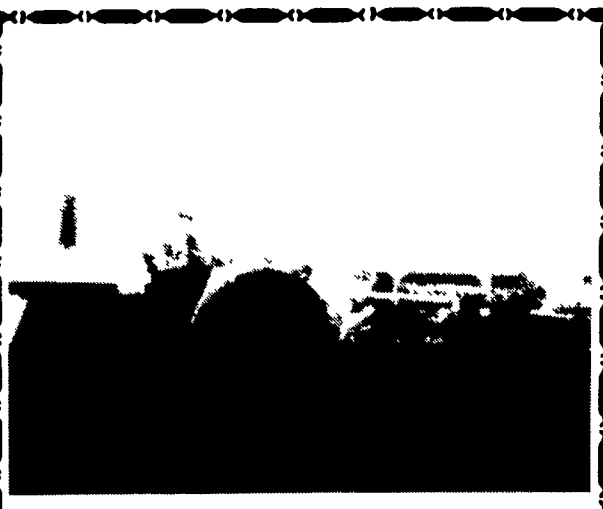
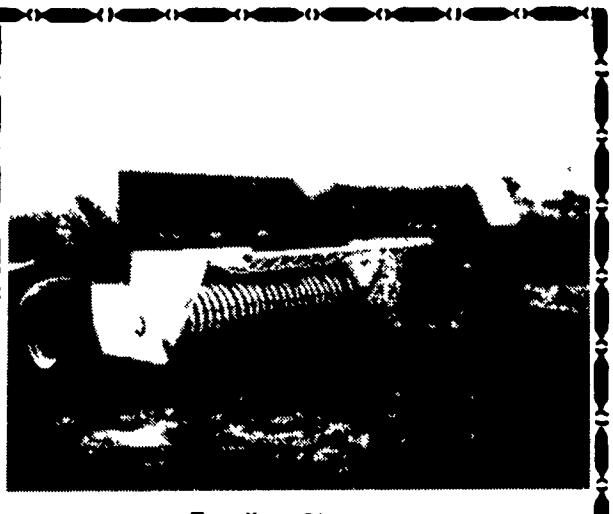
1069, 1049, 1034 Nice Condition



Don't Loose The Precious Moisture In Your Soil, No Till And Save The Soil & Water



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1594
1194 43 HP

USED

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MM G950	$4,750
Farmall 450	$2,150
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IH 404 Utility w/Mower	$3,200

MISCELLANEOUS

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50' 8" Auger PTO	$1,200
30' 6" Snoco Auger	$300
IH 66 Series Cab	$300

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New 107 No Till Drills	$8,500
Used 1068 No Till Drill	$2,900
Haybuster Parts	

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20' Bush Hog Hyd. Fold	$4,300
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IH 10' Hyd. Disk	$325
IH 12' Rotary Hoe	$125
Glencoe Field Cult	$625
IH 4 Row 3 Pt. Cultivator	$625

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(3) JD 7700 Turbo Hydrostatic 1 with 4WD 1976, 78, 78	
(3) JD 215 Flex Heads (Black Reel)	$5,500
(1) JD 15' Ridgid Heads	$1,250
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JD 347 Wire Baler Sharp	$6,500
IH 440 Twine Baler V Good	$2,850
MD 9' Rotary Scythe	$2,300
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New Idea 729 Uni Sheller	$150
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New Idea 701 Uni Tractor	$1,950

1 FARM EQUIPMENT

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White 256
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White 5100 Planter, 6 Row, No-Till
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NH TR70 Combine, 4RN, 4RW, Grain Head, Used

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WANTED (2) 14.9x36 tractor tires 717-334-0136.

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WANTED:
FIELD LIFT or INDUSTRIAL LIFT
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2 - VanDale Magnum Unloaders
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NEW TILE for Bunk etc.
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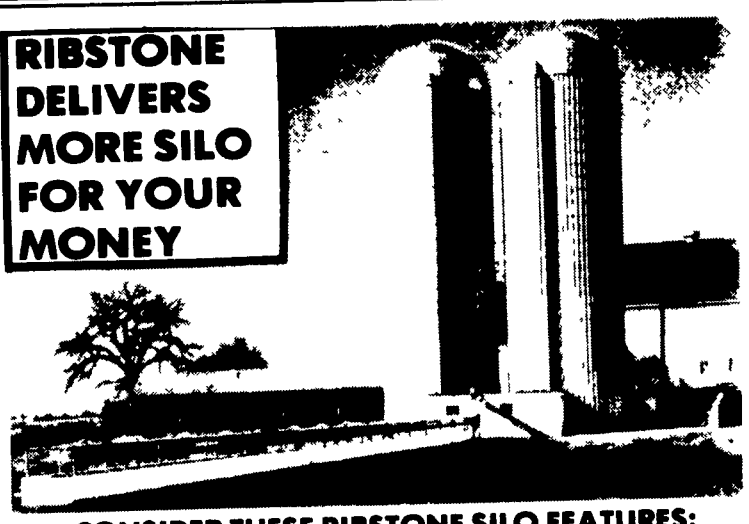

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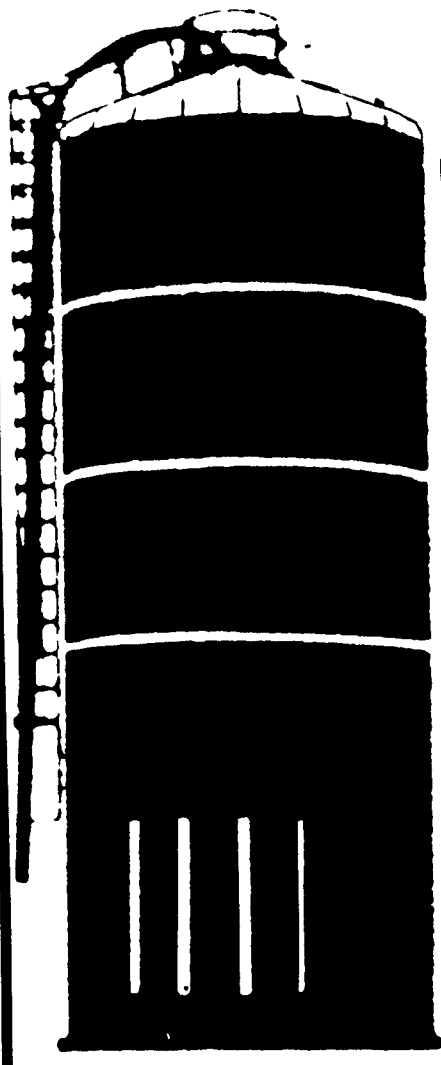

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Centre County
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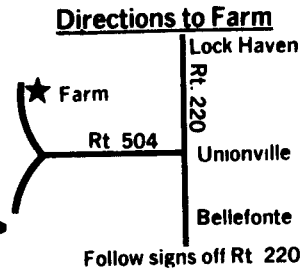
Directions to Farm



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When
May 18 10 till 2
Your Hosts
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Earl B. Zimmerman
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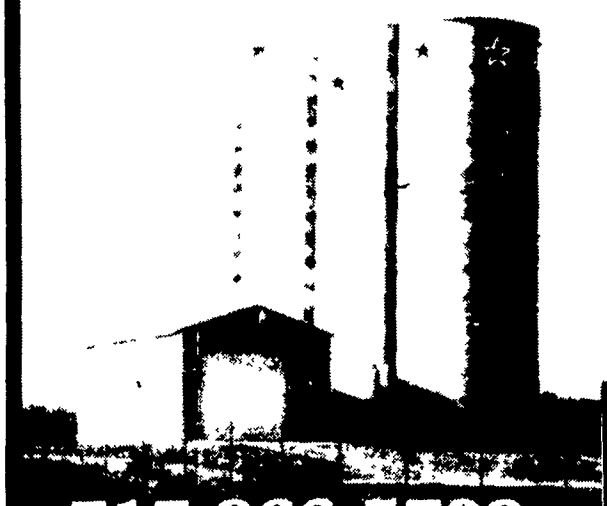

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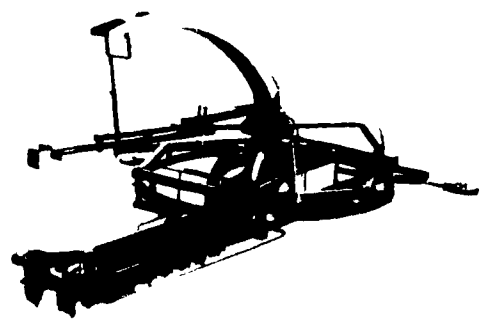

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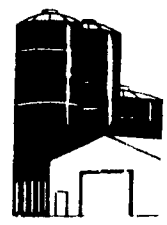

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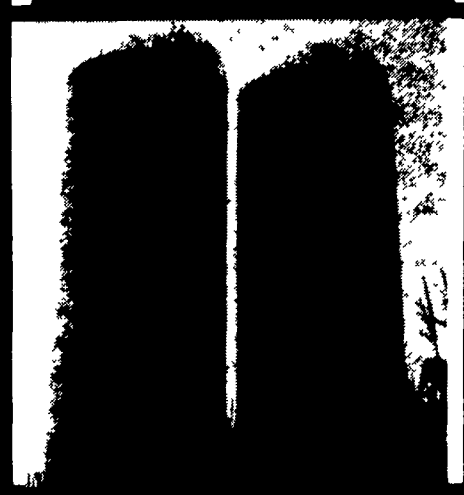

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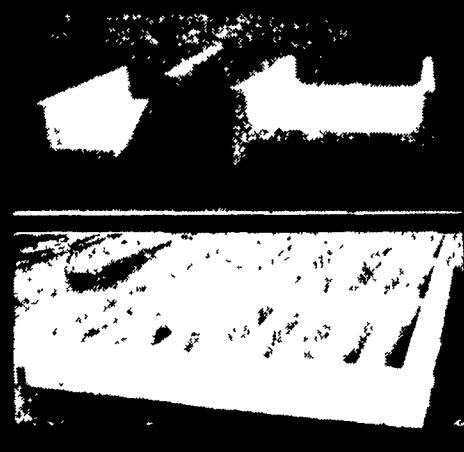

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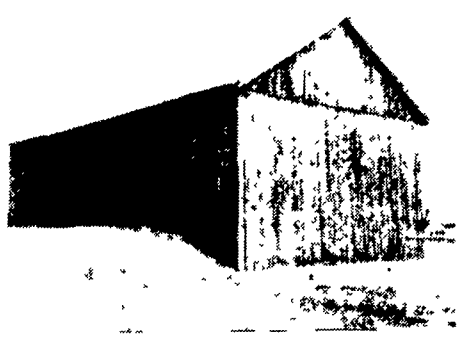

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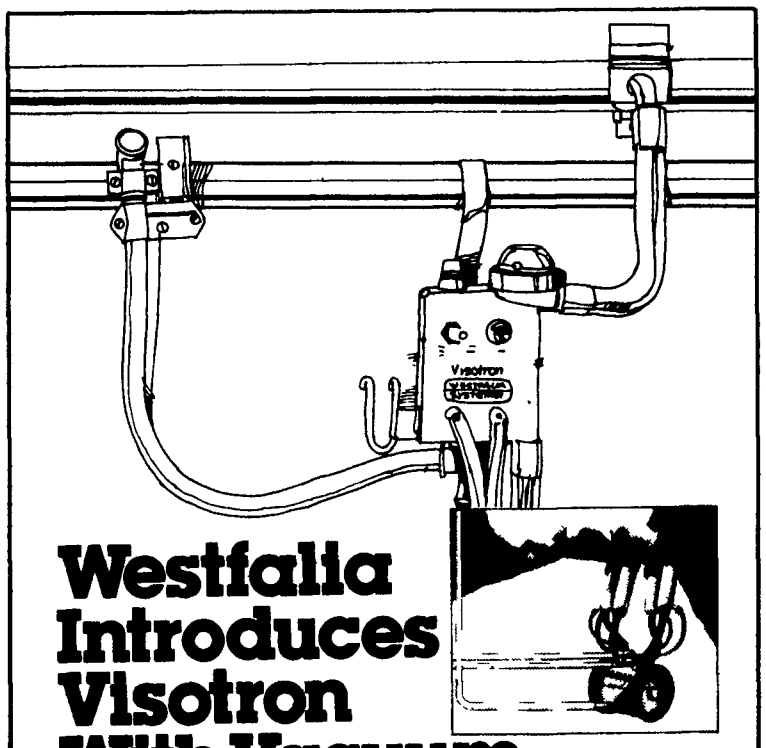

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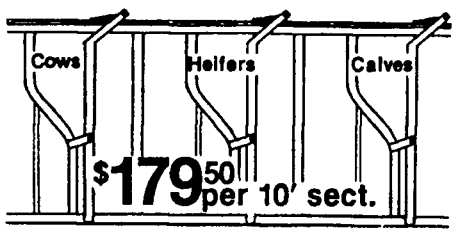

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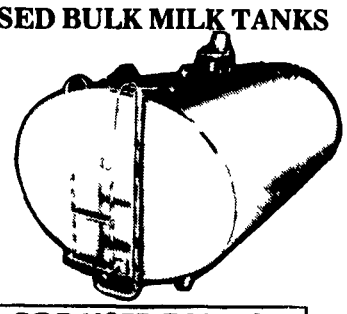

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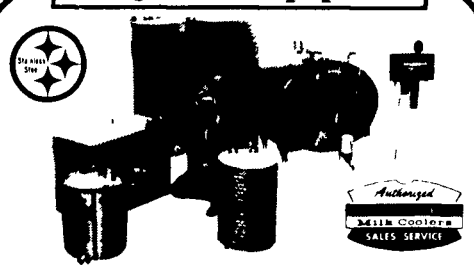

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The world's top-performing milk cooler with standard features like the exclusive patented refrigeration system Mueller Matic® Automatic Washing System electronic refrigeration controls built in alarms and precise agitation control

Mueller Fre-Heaters
Four models that will recover 60 to 100% of your wasted heat and produce free hot water

The Refrigerated Receiver
The most efficient pre-cooler on the market improves milk quality by cooling your milk rapidly before it is pumped to your milk cooler

USED TANKS

- 1000 Gal. Girton
- 1250 Gal. Mueller "O"
- 1250 Gal. Girton, 4 Yrs. Old (Round)
- 1250 Gal. Mueller "OH"
- 1000 Gal. Mueller

Other Used Tanks Available

Used 3, 4 & 5 HP Condensing Units
R12 & R22

Trust! We Work At It.

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24 HOUR SERVICE

USED DAIRY EQUIPMENT

1 - Used Clay Gutter Cleaner - 48 Stalls - Unloads on Right Side
1 - Used Patz Gutter Cleaner - 300 Chain - Unloads on Right Side
1 - Used Patz Silo Unloader for 16' Silo w/Winch & Cable
2 - Westfalia Pail Milkers & Units - Like New
2 - Westfalia Pails 60 lb. - New
1 - Used Surge 2" S/S Milking Pipeline - 250'
1 - Used 80 gal. Electric Water Heater
1 - Used Double S/S Wash Tubs
1 - Used Mojonnier 400 Gal. Bulk Cooler w/3 H.P. Lehigh Compressor
1 - Used Jamesway 600 Gal. Bulk Cooler w/5 H.P. Lehigh Compressor
1 - Used Surge 1250 Gal. Bulk Cooler w/Dual 4-HP Units - Dual Energy Converter & Automatic Washer

USED BULK TANK COMPRESSORS

1 - 3 H.P. 3-Phase Mueller HiPerform R-22
1 - 2 H.P. Copeland R-12
2 - 4 H.P. Copeland R-12
1 - 36" Ventomatic Barn Ventilator

Call
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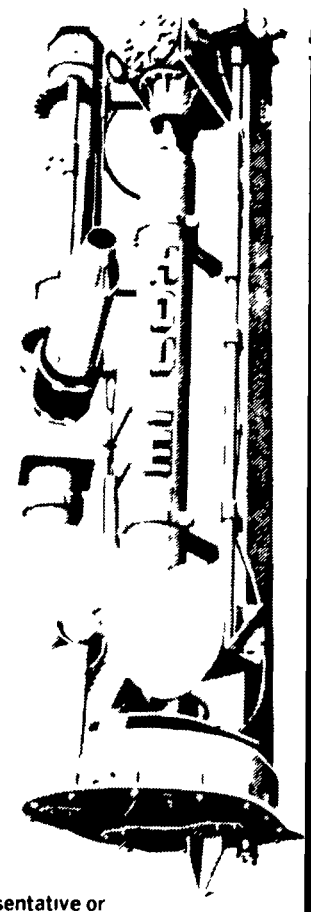
Longacre ELECTRICAL SERVICE, INC.
602 Main St.
Bally, Pa

"Quality Service Since 1922"

The MANURE PUMP with a BIG BITE



If you are trying to agitate and pump manure without this big propellor and positive cutting blade, you probably aren't doing it as fast as you could.

This big 24" steerable propellor agitates even the hardest of manure storage pits with heavy bedding at displacement rates of 18,000 gallons per minute. The cutting blade will chop long straw bedding and hay from feed bunks to mix it into a rich and creamy fertilizer. This pump is available for all sizes of storage areas in lagoon, trailer, 3-point hitch, and stationary models.

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The Best Dairy Automation Is Now $150 Better!

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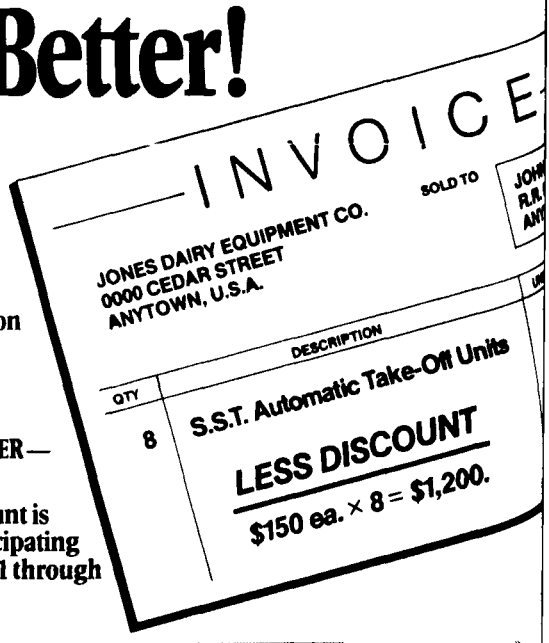

DV300™ Milker
For Stanchion Barn or Parlor The most popular stanchion barn automation in the world

Autocord™ Take-Off
For Stanchion Barn or Parlor The high quality economy unit

S.S.T.™ Take-Off
Solid State Controlled Here's high tech electronic reliability at an economical price

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Best in the Industry Solid state precision with or without parallel linkage support arm

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0000 CEDAR STREET
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QTY	DESCRIPTION	UNIT
8	S.S.T. Automatic Take-Off Units LESS DISCOUNT $150 ea. × 8 = $1,200.	

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600 to 5,000 Gallon Capacity
The efficient cooling Bulk Tank
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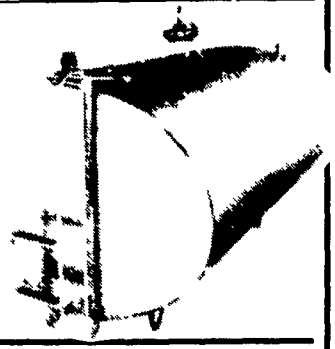
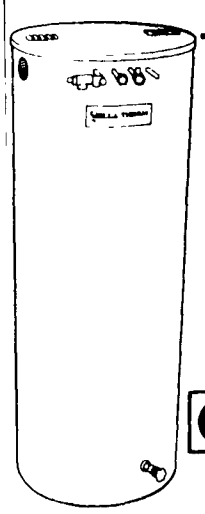


We Have Sales & Service On Tanks

Call For A Free Estimate



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Will recover sufficient energy to heat about two gallons of hot water per day per cow being milked.

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In today's economy stress, you must feed your cows properly.

Put in trough dividers, with fold up flaps to make easy sweeping. It prevents late lactating cows of over-eating & gives the high producers more time to eat their feed which results in more dry matter intake and more milk.

Being able to know exactly what each cow eats will be a benefit to you and the cow.

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9/16 - List 90¢ NOW **68¢** per ft.
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Best Offer

- Double 5 Milking Parlor w/Low Line
- (1) Bou-Matic Pipeline
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- 600 Gal. Mueller
- 600 Gal. Milkkeeper
- 600 Gal. DeLaval (oval)
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400, 500 & 1,000 Gal (Storage Tanks)

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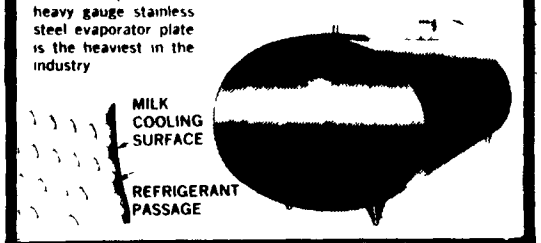

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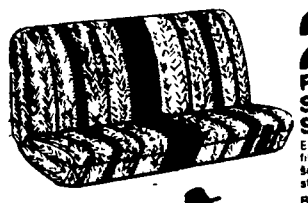
Tailgator™ Tailgate Guard
Protects the most frequently marred part of a pickup truck with a strong anodized extruded aluminum alloy Chrome like finish will not rust or peel Easy to install with directions and mounting screws included Applications include most popular makes & models



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Pickup Truck Saddle Blanket Seat Covers
Easy to install tailored seat covers fit all pickups Under knee rifle scabbard on full size only Front storage pockets Washable

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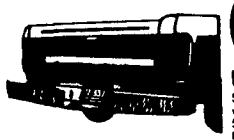

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Pickup Bumpers
Super strength step bumper comes with predrilled license plate holes 5" deep w/ 5¾" step 1" deep hitch hole license plate light

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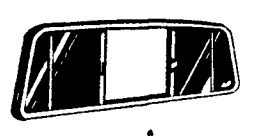

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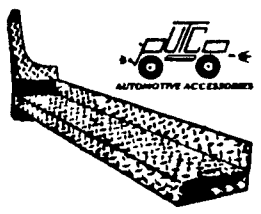
Curved top frame for OEM fit Anodized aluminum frames Metal Center lock Clear only Applications include most popular makes & models



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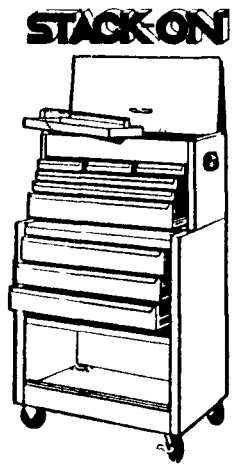

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6 Drawer Chest
- Lift out tote tray
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- Heavy duty steel construction
- Baked on enamel wrinkle finish

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Nylon rollers 36" long hardwood frame plywood bed

49¢ each
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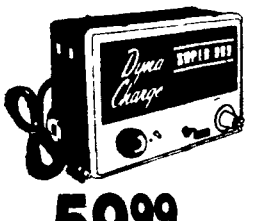
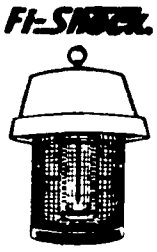
48" long made of 7 gauge steel





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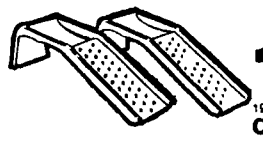
Protects your pickup's body from rock chips and mud splattering Chrome like finish will not rust or peel Mounting brackets and hardware included Many other applications available on special orders



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Car Ramps
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- One piece heavy gauge steel construction
- Lifts front or rear 9"

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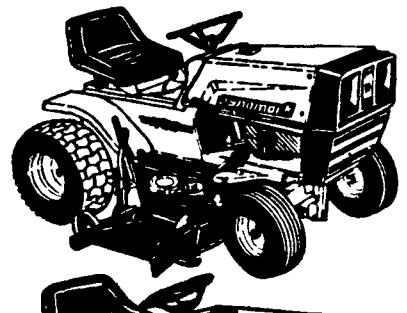
Module Fencer
Holds animals better under conditions such as wet fences weeds and grass Shocks through wet weeds



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- Synchro balanced engine
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- 3 forward speeds 1 reverse
- Choice of side or rear discharge

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26" Trailer Type Lawn Sweeper
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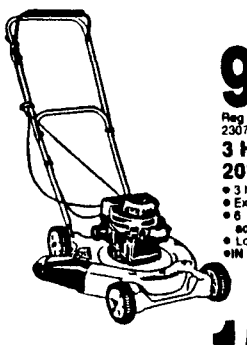

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3 Hp. Dynamark 20" Push Mower
- 3 hp. engine
- Extended recoil starter
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- **IN CARTON ONLY**

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Lynch Pins
Forged lynch pin with snaplock ring ⅞" diameter

End Section
Keeps your mower from plugging Easy to install on sickles of all mowers Doesn't interfere with attaching or removing sickle

Smooth 12202 006	**2.99**
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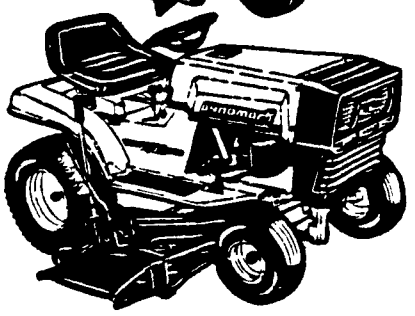

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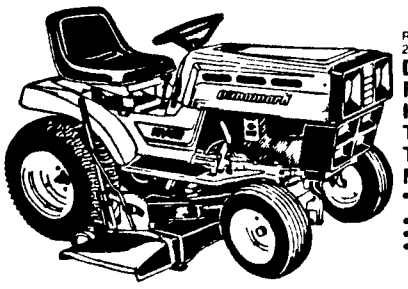
- Synchro balanced Briggs & Stratton engine
- Electric start
- 5 Speed Transaxle
- 42" side discharge
- Full floating deck



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Dynamark 18 Hp. Full Electric Start Heavy Duty Transaxle Tractor & 42" Mower
- Twin cylinder synchro balanced Briggs & Stratton engine
- 42" triple blade cutting deck
- 4 forward speeds 1 reverse
- Optional ground engaging equipment available (plow disc cultivator etc.)

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High Grade Steel
Heavy type sections are 12 gauge steel for extra strength
Made of high grade steel heat treated and honed to maximum sharp cutting edge Sections fit these makes Allis Chalmers Avery (Sears) Bradley (Wards) Case Cockshutt IHC Ford Hesston John Deere Koach New Idea Massey Harris Ferguson Oliver Minn Moline New Holland New Holland and Massey Ferguson

Heavy Smooth	Box of 10 **3.79**
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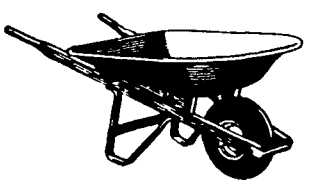

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4 cubic ft.
Wheelbarrows
- Steel tray with rolled edges
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New Rubber Torsion Rake Teeth
Double 15632 075 **4.99**
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Side Delivery Rake Teeth
New Holland and New Idea, one prong 15509 075 **69¢**
Manufactured of long wearing high carbon spring steel to meet original manufacturer's specification as to size and length For models Allis Chalmers Case Ford Ferguson, John Deere, IHC New Idea New Holland Oliver David Bradley Farm Hand & Montgomery Ward Kelly Ryan and Minn Moline

Model	Mfg. #	No. of prongs	Stock #	new
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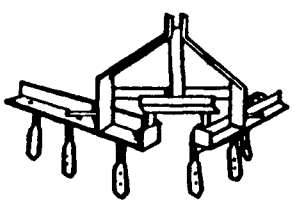
John Deere	194SE	2	15503 075	1.49
IHC	453748	1	15504 075	.75
New Idea	07828M1	1	15509 075	.89
New Holland	409	1	15509-075	.89
MF #25 #36	867530M1	1	15511 075	.89
Farm Hand & Mont	HD480	2	15522 075	1.79



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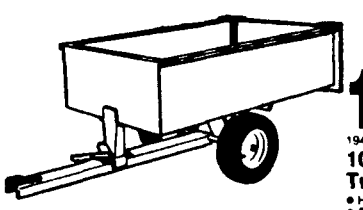

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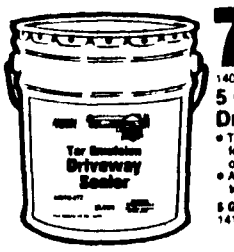

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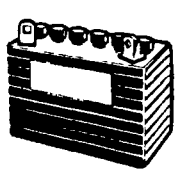

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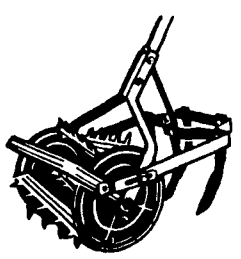

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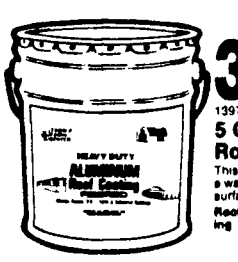

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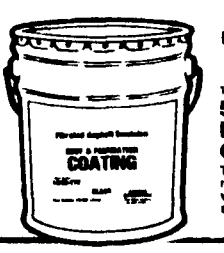

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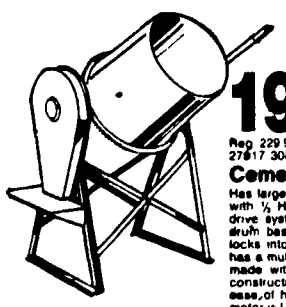

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SUMMARY OF RESULTS

Alfalfa Ensiled With And Without SILO-BOOSTER Conducted At The University Of Minnesota West Central Experiment Station Morris, Minnesota 1984 Crop

DRY MATTER RECOVERY (1)	CONTROL	SILO-BOOSTER
Amount D.M. Ensiled, lb.	26,228	30,418
Amount D.M. Removed, lb.	24,432	30,278
Recovery, %	93.2	99.5

(1) Individual loads of fresh forage were weighed before ensiling; after storage, silos were emptied completely at one time.

Composition and pH of Stored Alfalfa Ensiled With and Without SILO BOOSTER.

	CONTROL	SILO-BOOSTER
Dry Matter, %	50.66	54.98
pH	6.33	5.82
Crude Protein, %	23.64	23.45
Ammonia Nitrogen	19.76	14.80
ADIN-N. % of total N	5.76	5.58
ADF, % of D.M.	31.74	30.23
NFD, % of D.M.	42.44	41.88
Lactic Acid, % of D.M.	1.00	.87
Acetic Acid, % of D.M.	.72	.52
Propionic Acid, % of D.M.	.018	.007
Butyric Acid, % of D.M.	.119	.027

Dry matter recovery data from these conventional silos demonstrates a **6.3% difference in feedable alfalfa silage. For each 100 tons of silage,** there would be an **additional 6.3 tons of silage available for feeding.** This is **equivalent to 3.5 tons of 90% dry matter hay worth approximately $350.00. This is a $3.50 return for each $1.00 investment in SILO BOOSTER** from a reduction in fermentation losses alone.

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LIVESTOCK LATEST

Medicated feeds: Avoiding those mixing mix-ups

By Dr. Sharon Harmon and Dr. Larry Hutchinson, Penn State Veterinary Scientists

UNIVERSITY PARK — Livestock farmers have several options when choosing a source of feed. They may purchase complete feeds; purchase a feed concentrate and mix it with grain; purchase vitamin premixes, trace mineral premixes, protein meal, calcium and phosphorus minerals and mix them with ground grain, or they may use a combination of the above.

Each system has advantages and disadvantages that must be considered. Among these are responsibilities that go with mixing medicated feed on the farm.

A complete-feed supplier has the burden of complying with FDA regulations, proper drug records, storage, control of drug carryover, proper mixing, medicated feed assays and label instructions. The livestock farmer must consider only medicated feed carryover in feeding equipment (storage bins, conveyors, and feeders) and drug withdrawal times.

If farmers purchase feed concentrate (containing protein, vitamins, minerals, trace minerals, and animal drugs) and mixes it with ground grain, the feed supplier still has the burden of complying with FDA regulations. The farmer must supply proper storage for the medicated feed concentrate and adhere to mixing directions to obtain legal drug levels in the finished feed. Medicated feed carryover in mixing and feeding equipment is still the farmer's responsibility, and withdrawal times must be observed.

Farmers can purchase feed premix (vitamins, trace minerals and drugs) and protein source, and mix these ingredients with their own ground grain and other feedstuffs. In such cases, the feed and drug supplier must comply with FDA regulations regarding drug premix production and labeling. Farmers must comply with FDA regulations by obtaining "new drug approvals" where required, having proper drug storage facilities, keeping drug inventory and usage records, and using an accurate scale for weighing drug premixes.

The farmer is responsible for getting the drug premix adequately blended into the finished feed, monitoring medicated feed carryover in all of the equipment and checking drug withdrawal times.

When mixing medicated feeds on the farm, drug carryover from medicated feed to clean feed may be a problem. The following recommendations will minimize the possibility of drug carryover.

1. Know the labeled uses, mixing instructions and withdrawal times for all medications used.

2. Clean the mixer before use to avoid contamination with previous medicants.

3. Do not exceed mixing capacities of equipment. Premix all medications in large enough quantities for accurate weighing and mixing. Where stationary mills are used, follow manufacturer's instructions on premixing and adding medications.

4. Establish a mixing order for all ingredients. One recommended order is combining ½ of soybean meal or supplement, medication and/or vitamin premixes, ¼ of soybean meal or supplement (to flush premix into mixer), mineral premix, and the remainder of soybean meal or supplement.

Mix thoroughly while grinding corn. Then add ground corn and mix for 8 to 10 minutes, or according to manufacturer's instructions. Proper mixing is very important. (This mix was adapted from a report from Iowa State University agricultural engineer Dale Hull in 1970.)

5. Measure ingredients by volume or weight. Weight measurements are very accurate and should be used whenever possible. For volumetric mills, volumetric methods will give satisfactory results when regular calibrations are made. Follow manufacturer's recommendations.

6. Whenever possible, mix all feeds containing medications in sequence of increasing amount of medication. Clean equipment before manufacturing unmedicated feeds. Make finishing or withdrawal feeds after cleanup and before other nonmedicated feeds have been made.

7. Clean out the mixer after medication use by flushing the mixer with several hundred pounds of soybeans or ground corn. Remove flush, and identify and store it for future medication usage.

8. Keep all medicants in a well-lit storage place, with enough room to avoid cluttered storage and preserve original packages. Rodent and insect control should be practiced continually. Insecticides and other farm chemicals should not be stored in this area.

9. Read all labels and observe withdrawal times.

10. Periodically sample purchased premixes, supplements, and finished feed made from these feed ingredients. Three months after livestock have been marketed, label and hold these samples.

11. Clean out augers, holding bins, delivery wagons, and feeders before withdrawal feed is manufactured and conveyed. Augers can be flushed with ground corn or other suitable flush material.

Bins, wagons and feeders should be swept. Do not put withdrawal feeds into bins or feeders with medicated feeds.

At the end of mixing, all of the ingredients should be present in the discharge feed in the same percentage in which they were put into the mixer. If you check a feed sample after mixing and the percentages are not the same, incomplete mixing has occurred.

Incomplete mixing may be the result of mechanical or personnel error. When analysis of production samples indicates a variance from desired standards, initial investigation should include a check for accuracy of the formula and weighing equipment, and possible malfunctions of mixing equipment.

What appears to be incomplete mixing is sometimes caused by weighing inaccuracies or personnel errors. Failure to perform all operations indicated on production formula or feed tag instructions, or inadvertent substitution of ingredients not called for in the formula, are common errors.

Procedural changes may improve feed mixing. Adding the small-volume materials to part of the protein source early in the mix cycle allows more time for complete mixing to occur. Increased mixing times will often improve uniformity of feed mixing. Add small-volume items such as drug or mineral premixes directly to the mixer rather than through an auger system. If you add small-volume items through an auger, follow them with sufficient corn or protein to flush them into the mixing chamber.

Every livestock producer is responsible for using medications in accordance with the label directions. A careful manager can avoid feed contamination problems by following the management practices outlined. A complete up-to-date set of records can further help to avoid problems and should include the following:

1. Date of batch mixing.
2. Mixing order and amounts added.
3. Mixing time.
4. Feed storage location.
5. Number of animals fed and amount per head.
6. Medications used, amount, and concentration.
7. Dates mixers, bins, conveyors, and feeders were thoroughly cleaned.

How to enter the chicken business...gracefully

By Daniel H. Palmer, University of Delaware

NEWARK, Del. — For those of you who may be considering getting into the chicken business–whether to raise a small backyard flock or to set up a full-time commercial operation--here's some advice on what such poultry ventures are likely to involve.

For the individual who wants to produce eggs or meat for home use, farm fresh poultry products have always had a special appeal. A small backyard flock can supply you and your family with eggs and meat of the highest quality. As a bonus, you can gain a considerable amount of enjoyment and satisfaction from owning a small flock. In fact, in today's high pressure world, caring for a limited number of chickens can be very therapeutic.

Before ordering the chicks or started pullets for such a venture, however, check into local zoning and environmental restrictions. Keeping poultry is prohibited in some communities. Even if there are no legal restrictions, consider how your neighbors are likely to feel about having a poultry flock nearby.

Equipment costs aren't usually an important consideration with a few hens. However, give some thought to the daily care the chickens will require. Who will tend them on holidays and weekends, or while you're away on vacation?

Deciding to become a commercial producer of meat or eggs obviously takes much more planning. Such a venture requires considerable financial investment as well as a commitment to a different way of life.

Most farming enterprises involve all members of the family in some way or another, and raising chickens is no exception. Before making the investment find out how your family feels toward the long hours and sometimes dirty work that lie ahead.

It's also a good idea to talk to and visit with people who are already in the commercial chicken business. They can give you lots of realistic and practical information.

Also consider the location of your farm. Geographical location is critical in certain types of chicken farming such as broiler production. Due to the integrated structure of the broiler industry, growers must be within a practical distance for feed deliveries and shipment of chickens to the processing plant. Contact a grow-out company for more information on what's involved in commercial production, including details on broiler housing costs and what kinds of returns you can expect on your investment.

The most important aspect of any agricultural enterprise is marketing the product. In the case of broiler production, integrated grow-out companies perform processing and marketing functions for the grower. They also handle all the details regarding the catching and transportation of birds to the processing plant.

Many egg producers also operate under some type of marketing agreement or contract, but others prefer to develop their own market, selling to roadside markets or small independent grocery stores. Be sure you fully understand such marketing arrangements before buying or constructing any production facilities.

For further information on how to get into poultry production, call your county extension agricultural agent, or contact me directly at the University of Delaware Substation, RD #2, Box 48, Georgetown, DE 19947 (302-856-7303).

Simmental "Classic V" scheduled for June 24-28

BOZEMAN, Mont. — The American Simmental Association's fifth annual Summer Classic will be held in Lincoln, Nebraska June 24-28. More than 300 junior members are expected to participate.

Facilities at the Nebraska State Fairgrounds and on the campus of the University of Nebraska will be utilized.

The Classic has a five-day schedule, beginning on Monday, June 24, concluding on Friday, June 28. Included on the schedule of individual competition are a herdsman quiz; a sire selector quiz; livestock judging; public speaking; heifer competition; sales talk; and showmanship. Team competition is staged in the two quizzes; livestock judging; heifer groups and in a highly competitive beef bowl tournament.

"ASA's youth program has traditionally emphasized educational and informational aspects of the beef industry," said the association's executive vice president Earl B. Peterson. Presently there are 3,600 ASA junior members nationwide.

Classic headquarters will be at the Nebraska Center, on the University Campus. Deadline for pre-registration is June 1.

Farmers beware: confinement systems can kill

UNIVERSITY PARK — Confinement livestock housing may save labor while improving profits for producers, but it brings new safety hazards as well. "Manure pits are the source of these dangers to life and health," says Dennis J. Murphy, Penn State Extension safety specialist. "Toxic gases from decomposing manure can smother and kill in a matter of minutes."

A well-designed, properly constructed building with good ventilation is usually safe. Precautions must still be taken, however.

Pit agitation is the time of greatest danger. "Provide as much ventilation as possible in the pit and building during agitation," Murphy says. Avoid entering the pit even when empty since toxic gases may still replace oxygen.

Ventilation breakdowns and power failures are also hazardous. They allow gas build-ups and could cause asphyxiation of humans or animals. The building should be equipped with a system to alert the producer to ventilation failure. It's also recommended that an emergency generator be available to supply electricity during power failures.

A rotten egg smell warns of hydrogen sulfide–the most deadly of the gases in a confinement building. Because it deadens your sense of smell after a short time, this gas fools you into feeling secure. High levels of hydrogen sulfide cause death.

Ammonia build-up can cause eye irritations and damage animal health over a period of time. Carbon dioxide can replace oxygen and smother humans and animals. Methane may explode.

Never smoke or allow any other ignition source near a manure pit. There should always be at least one foot of space between the highest manure level and the slats. This helps protect animals that may lay on the slats.

Information is available, from the animal science staff at Penn State, in the form of a correspondence course for swine producers. The course includes the construction and care of manure pits. You can get the 16-lesson course by sending $14.00, including handling, to SWINE, Dept. 5000, University Park, PA 16802. Make check payable to Penn State.

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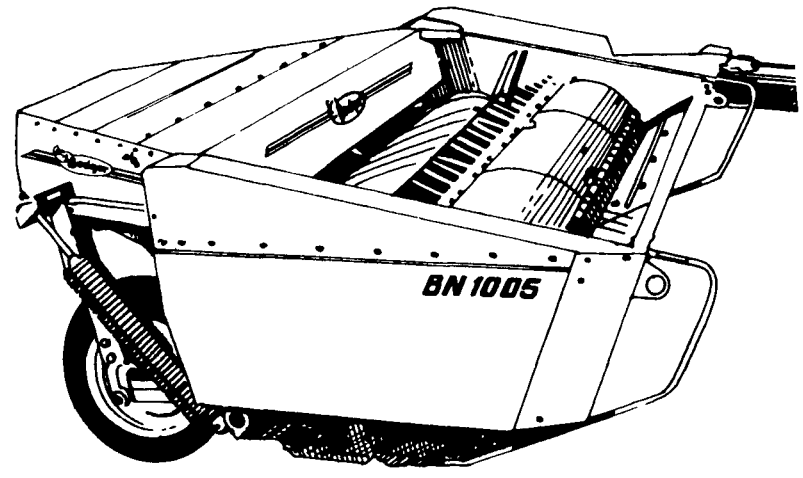

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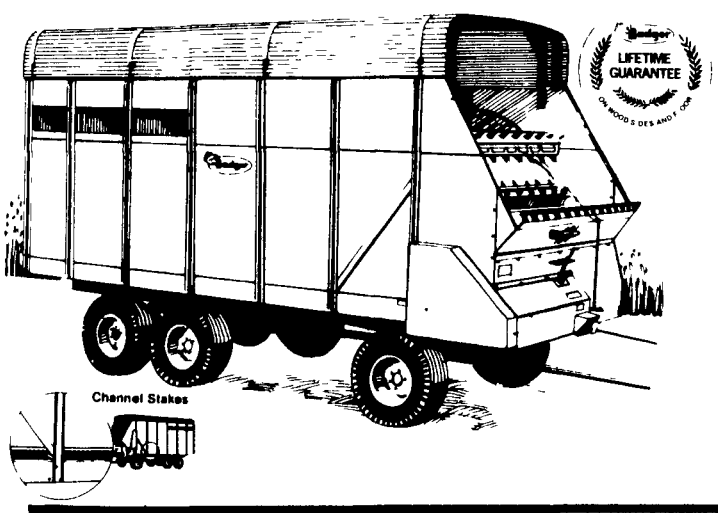

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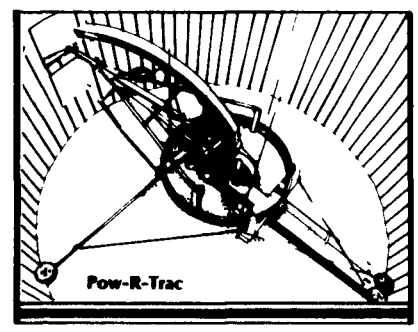

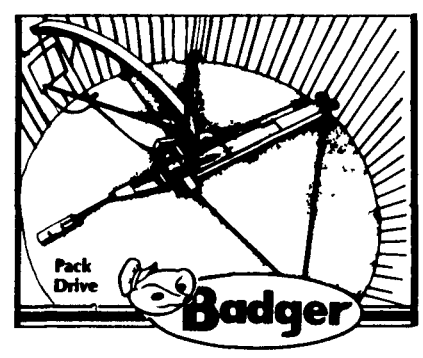

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Potomac fever found to be widespread disease

KENNETT SQUARE – Researchers at New Bolton Center, the large animal facility for the University of Pennsylvania's School of Veterinary Medicine, recently found evidence that Potomac Horse Fever is a widespread disease. Testing serums collected last summer and fall from horses in a number of states, they have identified seven new outbreaks of the disease.

Affected horses were identified in two areas of Pennsylvania and New Jersey, also in New York, Ohio and Idaho. These new findings lend credence to the long held suspicion that the disease occurs outside of the Potomac River area of Maryland and Virginia.

Many breeds affected

Although Standardbreds and Thoroughbreds were the most frequently affected breeds in the new outbreaks, Arabians, Quarter horses, a mule and a Clydesdale were also found to be affected. Horses of all ages, from yearlings to older animals, contracted the disease. One interesting similarity is that five of the seven new outbreaks occurred along rivers of tributaries feeding major rivers.

Operations of all types were affected by the outbreaks: large Standardbred and Thoroughbred breeding farms, large Standardbred and Thoroughbred racing stables, small farms with pleasure horses, and a working ranch with Quarter horses.

"Considering that almost half of the tested suspect horses proved to have had the disease and that outbreaks were found in all but one state where horses were tested, Potomac Horse Fever must be a common disease", said Dr. Jonathan E. Palmer of New Bolton Center. Since the cause of nearly 50 percent of all horses with diarrhea goes unexplained, the investigators speculate that Potomac Horse Fever may be responsible for many of these previously undiagnosed cases in all parts of the country.

Cause identified

Potomac Horse Fever is a highly fatal disease of horses causing fever, loss of appetite, diarrhea and founder. Over the past year, research at New Bolton Center, the Virginia-Maryland Regional College of Veterinary Medicine and the University of Illinois led to the identification of the cause of the disease - a small microbe belonging to the *Ehrlichia* group. Each of the three research groups independently have isolated the *Ehrlichia* in the laboratory and have shown that the microbe is the cause of Potomac Horse Fever, leaving no doubt of its role in the disease.

The New Bolton Center researchers, who were the first to grow the Ehrlichial agent in the laboratory last summer, also successfully isolated the same agent from an Idaho horse this fall. "Finding the Potomac Horse Fever agent in Idaho certainly was a surprise and indicates the widespread nature of the disease", observed Dr. Palmer.

Further research at New Bolton Center this past fall showed that horses may remain resistant to reinfection for a year or more after the initial episode of disease. The resistant horses have high levels of antibodies against the causative *Ehrlichia* in their blood but studies indicate that these antibodies are not the only reason for the horse's immunity. Further research is required to determine why the horses are immune to reinfection.

The simplest way to diagnose the disease is to show that the horse has antibodies to the microbe. "The presence of the antibodies in the blood for long periods after the illness makes diagnosis of the disease more difficult", said Dr. Palmer. Therefore, since the antibodies may still be around from the past, several blood samples must be taken to show that the horse is making new antibodies, thus proving the horse currently has the disease.

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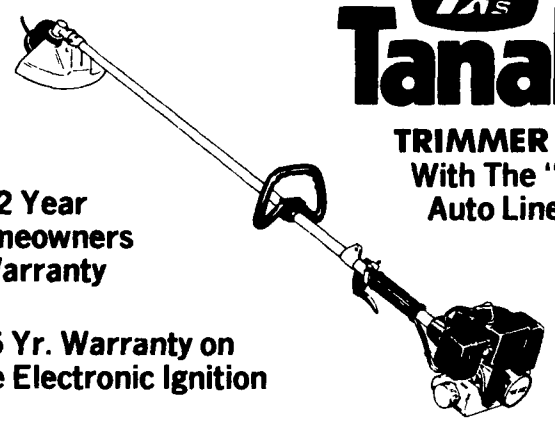

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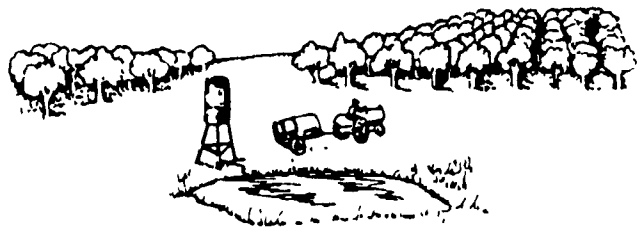

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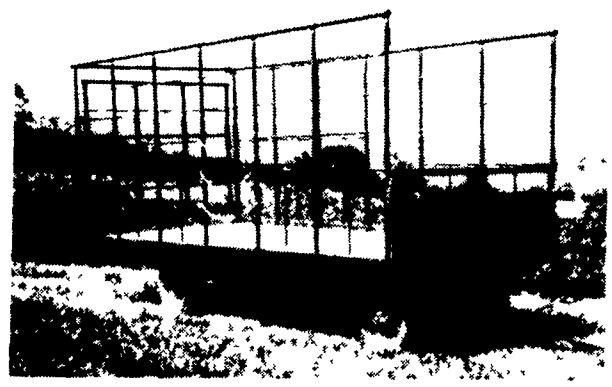

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Stornoway to host ABS-Cattlemen's Field Day

LIGONIER – Estrous detection in cattle and methods of synchronization will be featured topics during the ABS-Cattlemen's Field Day, May 18, at Stornoway Farms, Ligonier, Pa. Other topics include feeder calf health certification and pasture management.

Dr. Dan Deaver, assistant professor of dairy and animal science at The Pennsylvania State University, will outline a successful program for estrous detection.

Dr. Tom Drake, Penn State veterinarian, will discuss the feeder cattle health certification program. This program, an effort to reduce the risk of shipping fever in lightweight cattle, was initiated by the Extension Service at the request of the Pa. Cattlemen's Association.

Dr. Sid Bosworth, Extension agronomist at Penn State, will discuss pasture management, including selection of pasture depending on the number of animals grazed, land used, economics and level of management.

Other speakers will include Mr. John Ross, National Cattlemen's Association, Denver, Colorado; Dr. Albert P. Barnett, Stornoway's herd veterinarian; and animal scientists Dr. Erskine Cash and Dr. L.L. Wilson, and agricultural engineers Mr. W.L. Kjelgaard and P.M. Anderson from Penn State.

Registration begins at 9:30 a.m. and a steak fry lunch will be served for $2 per person.

Stornoway Farms is located on Route 711, 3 miles south of Ligonier, in Westmoreland County. More information about the field day can be obtained from the Dairy and Animal Science Department, 324 W.L. Henning Building, University Park, PA 16802 (814) 863-3659.

Swine arthritis report available

KALAMAZOO, Mich. – A new management report on the use of Lincomix Injectable for treating infectious arthritis in swine is now available from The Upjohn Company.

The report reviews the causes of infectious arthritis and how this disease ultimately costs the hog producer in terms of poor-doing hogs, dockings at slaughter and culled breeding stock.

A boar testing station manager and hog producers also discuss treatment programs using Lincomix Injectable, which contains the antibiotic lincomycin. Lincomycin is considered an effective antibiotic for treating infectious arthritis and can be used in all weights of hogs.

For a single copy of the report, or for more information, write: Swine Management Report, Infectious Arthritis 1, The Upjohn Company, P.O. Box 5087, Kalamazoo, Michigan 49003.

Indiana will host Jr. Nat'l Polled Hereford Show

KANSAS CITY, Mo. – Hoosier hospitality will welcome junior breeders from across the United States to the 12th Junior National Polled Hereford Heifer Show and Forum in Indianapolis, Ind. The week-long event, held July 21-26, will feature a record number of entries at the heifer show, and fun and educational activities for the entire family.

At the two-day show, Polled Hereford youth will be showing 1984-born heifers and cow-calf pairs for evaluation by three nationally renowned cattle judges -- W.W. "Wib" Donaldson of Louada Farms, Peterborough, Ont.; Bill Shain of Shain Hereford Ranch, Torrington, Wyo.; and Jim Gillooly of Washington, Ind.

Among the special activities at the Indianapolis show will be a livestock judging contest and the national scrapbook, speech and beef bowl competitions.

The finals of the National Junior Showmanship contest will be held during the week with 1983 Herdsman of the Year Patti Moss of ACE Polled Herefords, Millbrook, N.Y., selecting the winners.

For further information on the 12th Junior National Polled Hereford Heifer Show and Forum, contact the American Polled Hereford Association Youth Department, 4700 East 63rd St., Kansas City, Mo., 64130 (816) 333-7731.

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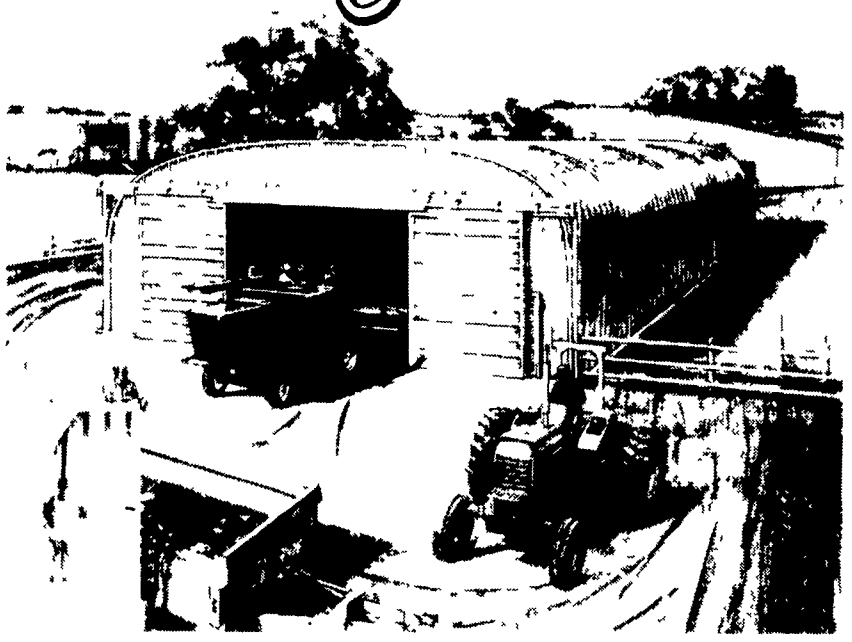

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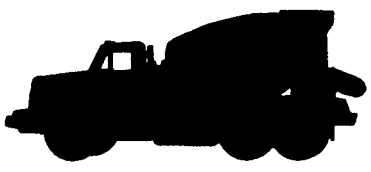

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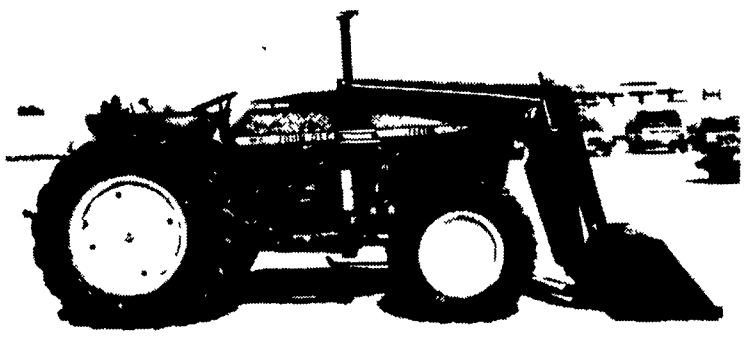
BUSINESS NEWS...

New loaders from Farmhand



Farmhand, Inc. has developed two new universal fit loaders for 40 to 90 horsepower tractors. The Models 170 and 190 Loaders offer increased operator visibility and maneuverability and are designed to mount many two wheel drive and front wheel assist tractors, with or without cab. They feature a quick-tach mounting system, new Attachment Quick Coupler plus a full range of attachments. Farmhand manufactures loaders, spreaders, grinding and tillage equipment at its plant in Grinnell, Iowa. For more information, contact Farmhand, Inc., P. O. Box 1500, Excelsior, Minnesota 55331.

Dekalb-Pfizer develops new crop management program

DEKALB, IL – Management practices make a major difference in the success of a crop, whether it be corn, sorghum or soybeans. Providing solid management information that applies to your area is just one goal of the Field Analysis Comparison Trial (FACT) program of DEKALB-PFIZER GENETICS.

The FACT program is the final test for DEKALB-PFIZER experimental hybrids and varieties before introduction to the public for sale. It uses tester hybrids or varieties to facilitate comparisons with commercial, experimental and competitive products. Each FACT plot compares approximately seven commercial hybrids or varieties, four key experimental numbers and two competitive products.

In 1984, DEKALB-PFIZER expanded the head-to-head comparison capabilities within its FACT program. A head-to-head comparison is used to compare the performance of two products under identical environmental conditions. Only those plots containing both products are selected and summarized in this analysis.

New capabilities enable Regional Agronomists to compute head-to-head comparisons for corn and sorghum hybrids and soybean varieties under specific selection criteria. Selection variables include sales/market areas; relative maturity band; previous crop; row width; nitrogen, potassium and phosphorus levels; tillage type; soil type; planting date; harvest date; harvest population; and herbicide and insecticide applications.

"This program is most significant for farmers because comparisons can be made at the local level and can more closely represent their soil; weather and management conditions," says Dick Bohling, Director, Agronomic Field Services, for DEKALB-PFIZER.

"For example, a farmer may wish to see a performance comparison of T1100 and DK656 and restrict that comparison to his marketing region and to FACT plots where corn was grown the previous year and planting occurred before May 20. This system allows the Regional Agronomist to make such a comparison by including onlt that data which is pertinent for the analysis."

Although all the selection variables are important, Bohling says that being able to run comparisons on sales/marketing areas, plant population and fertilizer application will be most significant to the farmer because of the significant effect these variables have on product performance.

"The head-to-head comparisons are timely from a sales standpoint," says Lowell Lumpkin, DEKALB-PFIZER Senior Project Manager for Research/FACT Information Systems. "If a farmer runs into a problem where it has rained and kept him our of the field, he may start thinking about switching hybrid maturity. The new system allows an analysis to be done that compares product performance at various planting dates and helps the farmer evaluate management alternatives."

The next phase in development of the FACT comparison capabilities will be to provide information about how each specific product reacts to changes in inputs and growing conditions. For example, once this program is complete, farmers will be able to find out from their Regional Agronomists how the performance of T1100 is affected by plant population.

Automatic/soilmover scraper

Soilmover front-unloading scrapers are available in four sizes. All of the scrapers offer single-lever control over cutting, carrying and dumping operations. Loading and dumping are accomplished by tilting the scraper bucket and operating the front gate. All sizes are available in two-wheel and four-wheel models and may be operated in tandem to move twice as much dirt with the same horsepower. Soilmover also manufactures "Roll-out" front ejection scrapers and "Push-off" full force front-ejection scrapers.

AMCO introduces new Bed Finishers

JACKSON, MI. – AMCO Products introduces a new series of Bed Finishers which save farmers time, fuel and money during seedbed preparation. AMCO Bed Finishers are high-speed, three-point machines which pulverize, level and shape the beds and can be used for banding and incorporating chemicals, all in one trip.

Available in both rigid and hydraulic folding models on 7" x 7" tool bars, they are offered in 4-, 6- and 8-row solid models.

Ideal for use in all types of crops - corn, beans, milo, wheat, etc. AMCO's Bed Finishers are excellent for use in ridge planted, hipped or flat planted crop operations. Also effective in helping to dry out wet spots in the field to accelerate the planting process.

Features include:

- An extra strong three point hitch for Cat® . 11 & 111 standard and quick couplers.
- A five bladed spiral reel for cutting residue or vegetation, soil pulverizing, and herbicide blending.
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- Five-bar, heavy-duty, adjustable-spike tooth harrows.
- A choice of three finishing attachments to meet soil types and conditions - either reversible spring loaded metal drag boards, drag pipes, or single rolling baskets.

New AMCO Bed Finishers are high-speed, three-point machines which pulverize, level and shape beds.

Quick-Cable offers catalog of batteries for farm use

RACINE, WI – Quick-Cable, a manufacturer of the world's largest selection of battery cables and terminals, now offers a new Farm Catalog - a choice selection of 90 handpicked products geared exclusively to the agricultural market.

All products featured in "Battery Cables and Terminals for Farm Use," will allow farmers to service, repair, and maintain all their vehicles right on the spot.

All terminals install in just minutes with common hand tools: a must for someone miles from the nearest service station or parts store.

Products include a new solid brass terminal line, Replacement Ends, Battery Cable Kits, Multiple Battery Harnesses, battery cable and cutting tools. Each item comes illustrated with a full description allowing the user to easily make selections.

Special informational highlights include a section on battery cable, with tips on measurement and replacement. Another "extra:" a battery application chart for popular tractors and combines which will (finally!) take the guesswork out of selecting the proper cable.

Insecticide trials released by University of Maryland

COLLEGE PARK, Md. – The following are results of recent insecticide screening trials conducted by researchers for the University of Maryland Agricultural Experiment Station (UMAES). Shown below are names of compounds and pests for which they are intended:

Vydate, Pydrin-effective for controlling Colorado potato beetles on tomatoes.

Temik-very effective for controlling Colorado potato beetles on tomatoes (however, it is not labeled for use on tomatoes).

Ambush, Pounce, HAG-107, Ammo, Bathroid, S-3206, Payoff-all effective in reducing insect injury to sweet corn.

Ammo, Pounce, S-3206, Ambush, Lannate, Baythroid, HAG-107, Payoff, Pyrdin-very effective in controlling cabbage looper on collards.

Amaze-effective in reducing flea beetle injury on sweet potatoes.

Thimet, combined with Lasso-causes increased burning on lima beans.

Ambush, Pydrin, Penncap-M, Orthene-effective in controlling European corn borer in snap beans.

Ambush, Pounce, Pydrin, Spur. Ammo, PP 321, Larvin-all very effective in controlling ear infesting insects such as corn earworm, fall armyworm, and European corn borer.

Scours reports from Upjohn

KALAMAZOO, MI. – A new management report on the incidence and treatment of diarrhea in beef and dairy cattle is now available from The Upjohn Company.

The report describes how calf scours and winter dysentery can rob a producer of much needed profits by lowering milk production as well as possibly causing the death of some affected animals.

Included in the report is expert advice on how to manage cattle to lower the incidence of these diseases and treatment procedures to follow when the diseases strike.

Single copies of this report can be obtained by writing: Cattle Scours Management Report 1, The Upjohn Company, P.O. Box 5087, Kalamazoo, Michigan 49003.

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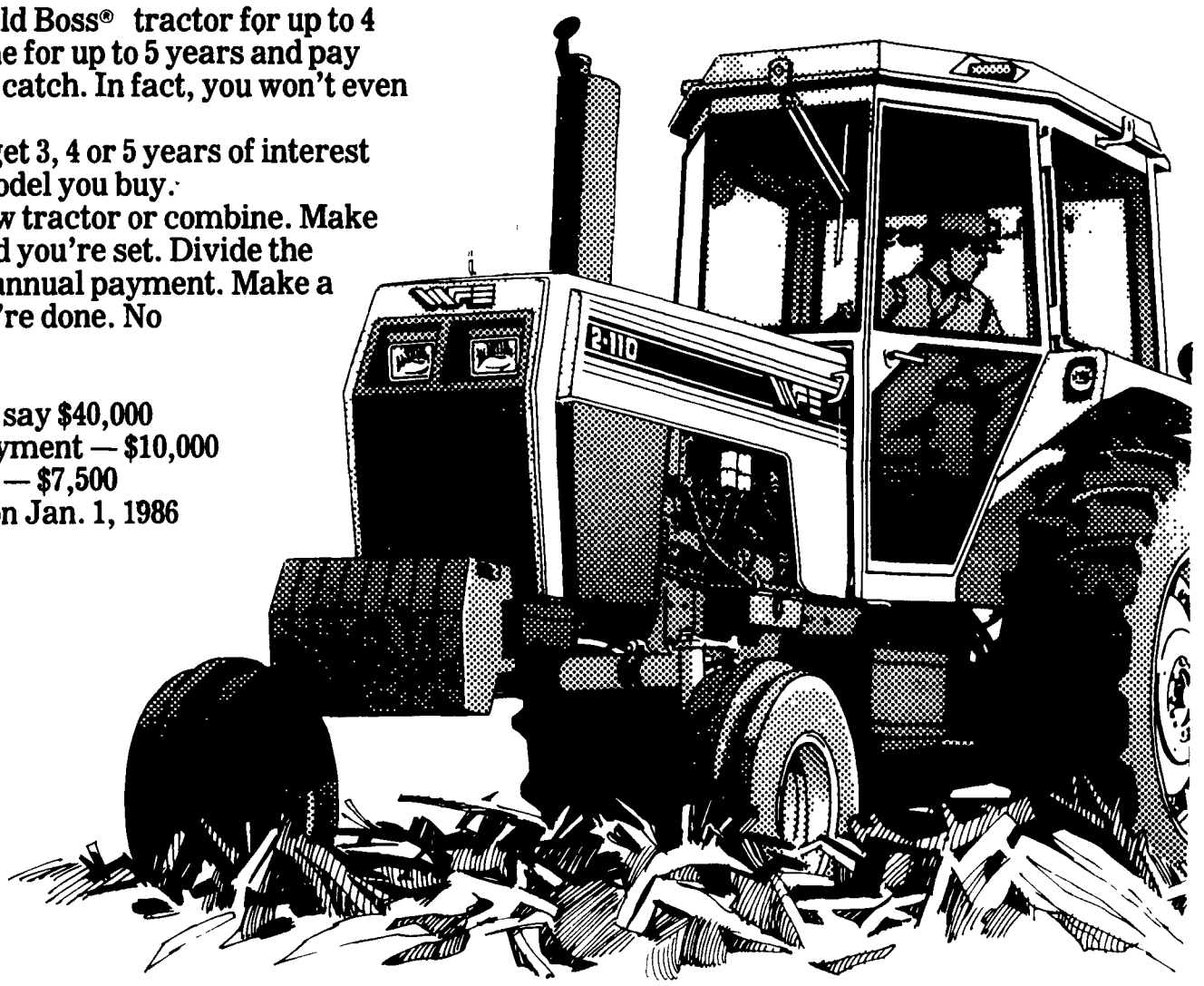

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NOR-AM adds new products following Upjohn purchase

WILMINGTON, DE – NOR-AM Chemical Company recently acquired The Plant Health Division of the Upjohn Company, adding several new products to its Agrichemical Products group.

Major agrichemical products acquired from Upjohn include ENIDE® preemergence herbicide for tobacco, BOTRAN® fungicide for vegetable crops, COLLEGO® postemergence herbicide for rice, SOK-BT® biological insecticide, and BOTEC® peanut seed protectant.

Other agrichemical products marketed by NOR-AM include: FUNDAL® and DROPP® for the cotton industry, ANTOR®, NORTRON®, BETAMIX®, and BETANEX® for the sugarbeet industry, CARZOL®, MITAC®, and SPIN-AID™ for the citrus, fruit and vegetable industries, and VORLEX® soil fumigant.

Schering offers selenium kits

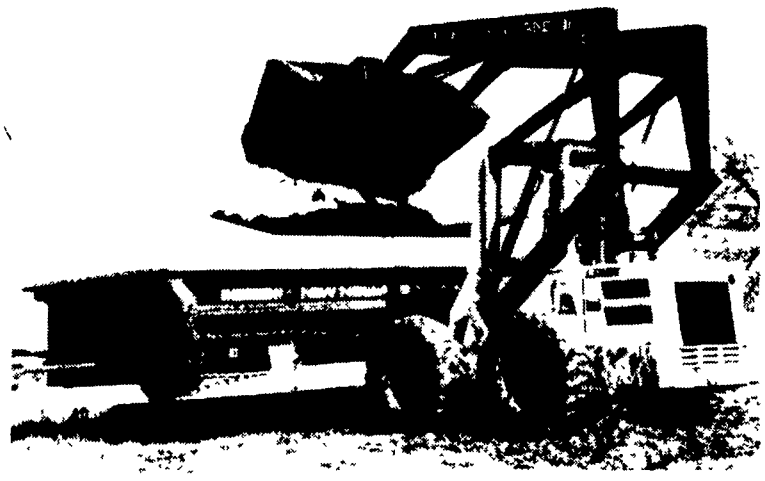
KENILWORTH, NJ — Schering Animal Health has initiated a selenium awareness campaign to aid livestock producers in recognizing the importance of selenium to animal health. As part of this campaign, Schering is offering free selenium information kits to producers.

Selenium deficiencies have been linked with economic losses due to reproductive failure, muscle disease, general unthriftiness and dead or weak offspring. These disorders affect all major food producing species of livestock, horses and small animals, and have been increasing in incidence since the early 1960's.

Schering's selenium kits contain background information on the causes of selenium deficiencies, disorders responsive to selenium treatment, and managing stock to prevent deficiencies.

To obtain a free selenium information kit, write Dan Cantwell, Schering Animal Health, 2000 Galloping Hill Road, Kenilworth, NJ 07033.

Sperry extends warranty



Sperry New Holland has added 500 operating hours to the warranty on its skid-steer loaders, and is now offering an unprecedented two-year warranty on agricultural machines. The company also offers extended guarantees on some ag machine components like apron chains and cutter heads in some pieces of equipment.

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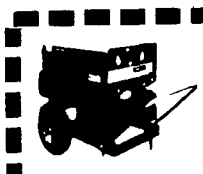

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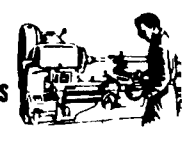

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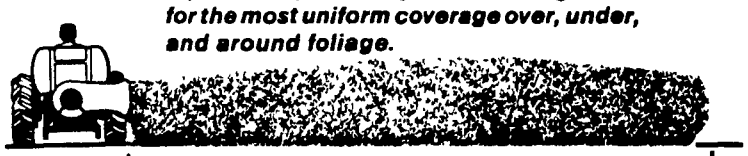
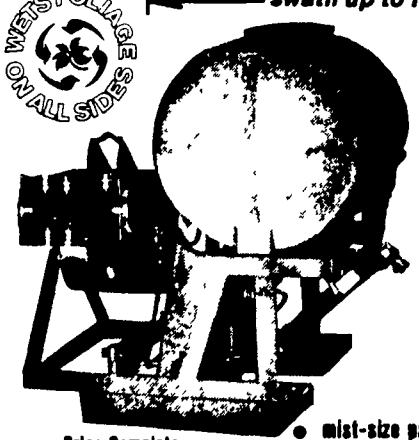


swath up to fifty feet or more

WETS FOLIAGE ON ALL SIDES



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AT&T's Emergency call system designed for farmers

PARSIPPANY, N.J. — Emergencies triggered by fire, power failures, broken pipes, illness or any number of situations caused by extremes in weather or mechanical breakdown can mean disaster to a farmer, especially if assistance is delayed.

In an effort to give farmers added protection against fire, medical and environmental emergencies, AT&T now offers the Emergency Call System - Model 400. The system provides economical 24-hour protection by automatically phoning for help, even if no one is home.

AT&T's Emergency Call System - Model 400 is an integrated home and small business unit which offers the special capabilities of fire, medical, water, electrical and temperature alert systems. It operates in combination with a medical alert transmitter, smoke detector/transmitter and environmental transmitter and various sensors to automatically dial two pre-programmed numbers for each type of emergency. The system delivers a voice synthesized message which states the location and type of emergency.

"Farmers are subject to a variety of severe weather conditions, like lightning or high winds that can lead to fire or mechanical breakdowns," said Robert J. Lahm, Director of AT&T Emergency Systems. "The environmental sensors, combined with the fire and medical applications, offer increased protection through quick emergency response."

The fire alert component of the ECS 400 operates with existing smoke detectors or the AT&T Smoke Detector/Transmitter. When the smoke detector sounds a warning, the ECS transmitter signals the console. The console's electronic voice clearly anounces "Fire, Fire, Fire" for 30 seconds before dialing the first of two pre-programmed numbers. This feature allows for cancellation in the event of a false alarm.

The medical component operates much in the same manner, with the console being activated when the person experiencing the emergency pushes a button on the remote transmitter. The transmitter can be hand held or worn on a cord around the person's neck. The electronic voice announces the problem for 30 seconds, before the console places the automatic call for emergency assistance.

The ECS 400 environmental sensors detect water, power and temperature problems. Flooding or broken water pipes, heating system breakdowns, and power failure emergencies trigger the sensors and the console's electronic voice announces "emergency" for 30 seconds, and then begins the automatic calling process.

For each of the emergencies, if within that 30 seconds the "cancel" button is not pushed, the console automatically dials the first of two emergency numbers pre-programmed by the owner into the console. A voice-synthesized message gives the address and telephone number where the alarm has been set off. If the first message is not acknowledged by the called party, the console automatically dials the second pre-programmed number and delivers the emergency message. The console automatically dials each of the two numbers up to four times and then repeats the same calling process until the call is acknowledged.

Designed and manufactured by AT&T, the Emergency Call System is easily installed, offers high reliability at a low cost and requires little or no maintenance. The ECS is also less complicated than other wireless systems.

The Emergency Call System - Model 400 is available through security alarm dealers throughout the country. Consumers can call AT&T's toll free number (1-800-431-1000) for the names and locations of local ECS dealers.

Moore to be speaker

EPHRATA — H. Louis (Lou) Moore, Agriculture Extention Economist of Penn State University will be a featured speaker at PennAg Industries 107th annual convention, Oct. 6-8 at Adam's Mark Hotel in Philadelphia.

Moore, a native of Bedford County, attended the Potomac State College of West Virginia and the Pennsylvania State University. After serving two years in the Army with 18 months duty in Japan during the Korean conflict, Moore returned to Penn State for his masters degree in marketing.

He served as the Cooperative Extention Service's first area marketing agent and worked in a five county area with headquarters in Erie, Pa. He then returned to the University where he has since worked as an Extention Economist in livestock and meat marketing.

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BETHLEHEM Stefkoe Sh Center (215) 867-6077	NEW OXFORD 2795 Carlisle Pike (717) 624-4681	WESTMINSTER, MD 837 Balt Blvd Rt 140 (301) 876-7188	HAGERSTOWN, MD. 1115 A Maugans Ave (301) 791-7780	HAZLETON 530 S Church St Rt 309 (717) 433-5188	SOMERSET 421 W Patriot St (814) 443-1133	ALL LOCATIONS ARE IN PA. UNLESS OTHERWISE NOTED

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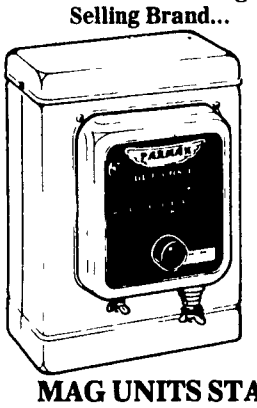

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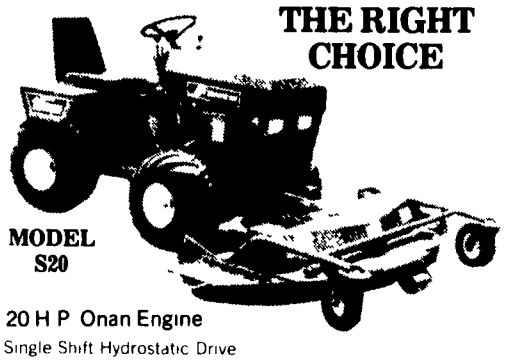

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Chester County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

March, 1985

The cow with high fat and high milk was owned by Melwood Farm

Rolling Herd Average

Owner	Brd.	No. Cows	Days In Milk	Lbs Milk	Lbs. Fat
Melwood Farm	3	36 5	90 2	22 690	901
Ardrossan Farms	1	124 0	86 7	18 961	805
H & R Mason	3	105 2	89 7	20 605	797
Robert E Pepple	3	61 2	86 9	19 909	788
George P Lamborn	3	34 6	88 6	20 543	769
Dunwood Farm	3	54 8	88 2	19 660	761
Jonas B Stoltzfus	3	47 3	87 0	19 201	751
Abner R King	B3	37 2	85 9	18 437	728
Joseph Lusby	B3	43 8	88 0	18 305	722
Chris&Ches Stoltzfus	3	55 3	89 8	18 278	719
Paul King	3	73 0	91 4	19 384	714
John S Stoltzfus	3	75 5	88 4	18 041	712
Bright Meadows	B3	71 0	83 1	18 764	706
Kulp Bros	G3	86 7	88 1	18 345	705
Vernon Guest & Son	B3	91 8	87 9	17 631	705
Breck A De Farm	3	78 4	86 7	18 615	705
Floyd Miller & Sons	B3	67 4	87 1	18 549	704
Willowland Farm	3	59 1	88 9	18 717	702
James V Yale	B3	65 2	90 6	17 112	702
Ridglea Farm	3	95 3	87 5	17 583	697
Maplesway Farm	3	65 6	89 9	18 071	693
David&Dawn Windle	3	49 1	86 3	18 686	692
Jefferson D Yoder	3	68 0	87 4	17 935	691
Round Top Farm	B3	81 4	82 6	19 777	690
Timberview Farm	3	57 0	88 0	17,006	688
Herman Stoltzfus	3	54 7	84 5	18 285	687
Hargret Dairy Inc	B3	52 8	87 8	18 444	687
Pei Valley Farm	B3	69 0	88 7	17 732	685
David E Weaver	3	94 2	86 3	17 545	682
Dale Hostetter	3	48 5	86 7	18 677	681
J Harold Bare	3	65 4	83 4	17 943	680
Elmer A Mast	B3	84 1	86 0	17,295	680
Merle J King	B3	81 0	88 7	18 067	679
Glen H Freese	3	71 3	85 0	18 903	679
Arthur D Hershey	3	50 3	85 9	17 747	678
Mast Stoltzfus	3	45 3	88 2	17 845	673
Mark&Melody Stoltzfs	B3	49 5	85 3	17 272	673
Swan View	3	58 7	86 9	18 348	672
David K Stoltzfus	B3	45 9	83 8	17 423	672
Charles J Moore	B3	49 1	85 5	18 998	670
Jesse E Lair	G3	87 5	87 4	18 600	670
Harold R Kulp	B3	77 6	88 0	17 489	669
Donald M Horning	B3	45 7	86 3	17 905	668
Samuel B Acker	B3	186 1	89 2	16 772	664
Kenneth Umble	3	60 4	86 7	17 527	664
Spring Aqua Farm	3	83 6	89 5	17 663	664
Mrs John B Hannum 3D	B3	84 8	88 4	18 110	662
Leon D Kurtz	3	42 0	84 0	18 055	662
Richard Hostetter	B3	48 0	83 9	16 979	657
Benjamin K Kauffman	B3	41 2	90 2	17 830	651
Lloyd Mast & Sons	3	128 0	88 3	16 392	650

Indicates 3 Times A Day Milking

Owner Name or No	Brd	Age	Days In Milk	Lbs Milk	% Fat	Lbs Fat
Melwood Farm						
Royal	3	8 9	305	29 109	3 6	1036
Roleen	3	6 7	305	25 719	3 8	982
Bonnie	3	9 4	305	24 801	3 7	923
Sunflo	3	2 1	305	24 898	3 4	854
Sundan	3	2 1	305	21 216	3 9	827
David L Pierce						
155	3	7 9	305	23 280	4 2	976
Hargret Dairy Inc						
53	3	6 7	305	24 065	3 9	949
Jonas B Stoltzfus						
Carmel	3	12 0	305	24 035	3 8	924
Razer	3	3 4	305	19 476	4 5	878
Apple	3	11 3	305	20 464	4 2	865
Lucky	3	3 3	305	24 164	3 6	864
Blazer	3	8 2	305	18 148	4 4	807
Royal	3	3 11	305	19 799	4 0	800
Mark & Melody Stoltzfus						
Cheree	3	3 4	305	19 697	4 7	920
Wilkinson Farm #2						
1098	3	8 1	305	22 810	4 0	915
J Raymond Harnish						
Lucy 70	3	3 2	305	19 520	4 7	914
Clara 20	3	4 10	305	23 121	3 5	800
Pei Valley Farm						
43	3	6 9	305	22 127	4 1	912
H & R Mason						
149	3	3 5	305	22 010	4 1	896
Dunwood Farm						
Sunbeam	3	3 1	305	23 387	3 8	892
Jay	3	6 10	305	26 813	3 3	881
Breck A De Farm						
58	3	6 6	305	22 794	3 9	889
49	3	3 9	305	22 628	3 6	823
Round Top Farm						
79	3	5 11	305	25 022	3 5	886
James V Yale						
7	3	5 9	305	21 857	4 0	883
Maplesway Farm						
Pasta 67	3	3 2	305	19 755	4 5	882
Ridglea Farm						
126	3	4 4	305	18 922	4 6	879
J Harold Bare						
26	3	4 7	305	21 324	4 1	875
John S King						
Jane	3	6 4	305	23 878	3 6	871
Swan View						
Fay	3	3 7	305	24 164	3 6	870
Kenneth Umble						
Darla	3	3 0	305	21 176	4 1	869
Samuel B Acker						
668	3	4 5	305	19 879	4 4	868
549	3	7 3	305	19 597	4 1	812
Merle J King						
Tina	3	5 7	300	19 519	4 4	868
Folly	3	8 1	305	22 305	3 8	842
Willowland Farm						
Heather	3	4 2	305	22 238	3 9	862
William Tell						
52	3	7 6	305	21 864	3 9	860
Elmer A Mast						
Lil 5	3	5 5	302	24 109	3 6	857
Rose 25	3	4 2	305	18 639	4 3	801
Joel C Brown						
645	3	7 8	305	21 020	4 1	852
1104	3	3 4	305	21 688	3 7	805
Wilkinson Farm #1						
1274	3	5 7	305	21 296	4 0	850
Spring Aqua Farm						
6	3	4 6	305	21 294	4 0	850
202	3	6 7	297	19 015	4 3	823
Glen H Freese						
Terie 23	3	3 3	305	21 078	4 0	844
Mrs John B Hannum 3D						
276	3	3 5	305	20 699	4 1	842
Lloyd Mast & Sons						
142	3	6 10	305	18 257	4 6	839
263	3	3 4	305	19 822	4 1	807
188	3	5 5	305	20 527	3 9	802
David E Weaver						
Francis	3	6 10	305	20 394	4 1	831
Julie	3	4 7	305	18 004	4 5	809
Meadow Oak Farm						
39	3	4 5	305	20 434	4 1	829
Robert E Pepple						
81	3	2 2	305	20 307	4 1	826
Donald Hostetter Jr						
Citatin	3	8 8	305	22 806	3 6	825
Timberview Farm						
Holly 51	3	6 4	305	21 804	3 8	823
Abner R King						
Shana	3	5 7	305	20 352	4 0	816
Tammie	3	4 4	305	20 801	3 9	810
Donald M Horning						
117	3	3 3	305	22 169	3 7	814
Harold R Kulp						
Minnie	3	3 5	305	19 136	4 3	814
Hoopes T Yarnell						
13D	3	6 3	305	20 674	3 9	811
Bright Meadows						
8	3	3 1	305	19 319	4 2	804
Chester Hills Farm						
W187	3	6 5	305	21 542	3 7	803

LUZERNE COUNTY DHIA
March, 1985

Robert Hough	RH	54 2	88 0	18,731	732
Pecora Bros	RH	168 5	88 8	18,823	679
Larry Baron	R&GrH	60 9	86 6	15,930	637
Wm Dagostin&Son	R&GrH	111 2	83 3	16 334	634
Carl E Troxell	R&GrH	53 4	84 6	16,749	632
Hillside Farms Inc	RH	89 4	82 7	16,559	613

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Hillside Farms Inc						
544-68	RH	4 3	305	22,224	3 7	829
Wm Dagostin&Son						
5065	RH	4 2	305	20,347	3 7	746
Pecora Bros						
15 1520	RH	7 5	305	19,695	3 7	729
1101587	RH	5 6	305	20,126	3 6	715
27 1644	RH	4 5	305	20,009	3 6	722
Carl E Troxell						
60	RH	4 3	303	18 598	4 0	742
58	RH	4 2	305	18 313	4 0	735
Robert Hough						
Pattiel	RH	9 0	305	22 669	4 6	1036
Derwood&Dennis Moyer						
Usels65	RH	3 8	305	20 464	4 0	822
Rampant Farms						
Trisa 2	RH	3 4	305	17 226	4 1	711

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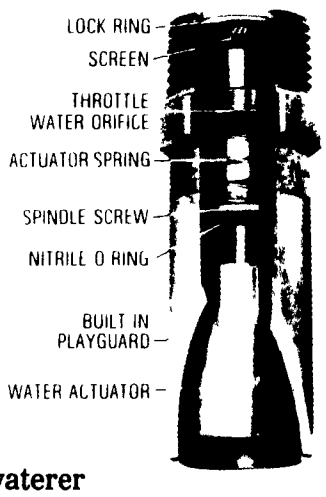

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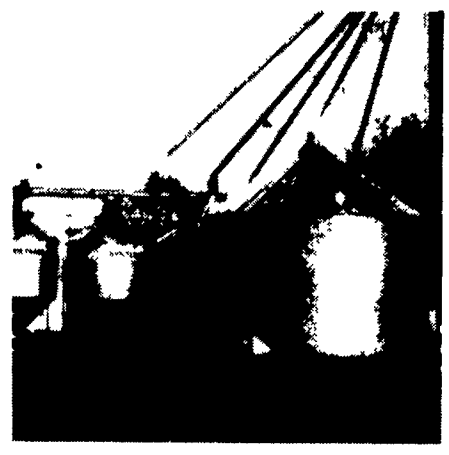

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Farm Talk

by

Jerry Webb

Foreign owners of farmland

Foreigners own slightly more Middle Atlantic farmland now than in years past, according to the latest figures from the U.S. Department of Agriculture.

That's not to say that in certain areas where foreign ownership is concentrated there isn't concern - there still seems to be resentment of overseas investment in agriculture. But it's a fact of life especially with continuing good deals in farm real estate in this country compared with many other countries.

Nationally, the USDA report shows foreign land ownership at 14 million acres - slightly more than one percent of U.S. agricultural land. That's more than double what it was four years ago but still relatively unimpressive.

There seems to be just enough foreign influence in the U.S. real estate market to keep the myth alive that foreigners are buying up great parcels of American farmland. It's easy to visualize great hordes of oil-rich Arabs buying farms and moving in with their strange ways. But that isn't what's happening. The biggest foreign owner of U.S. farmland by a wide margin is Canada. In fact, the oil-rich nations own very little American land.

The USDA summary, which is required by law, updates some information that was first gathered in 1979. The regulations require USDA to make periodic reports and to keep close tabs on foreign landbuying activity. The law also defines agricultural land as land used for agricultural forestry or timber production. Tracts smaller than an acre that produce less than $1,000 worth of agricultural sales a year are not counted.

Among other things the report says:

* Foreign ownership of U.S. agricultural land is concentrated in the South and West - 36% in the South and 27% in the West.

* A handful of countries including Canada, West Germany, the Netherlands, Hong Kong, and the United Kingdom hold three-fourths of all foreign owned agricultural land.

* More than 60% of the foreign held agricultural land is owned by U.S. companies that have a minimum of five percent foreign ownership. The way the law reads American entities with at least five percent foreign ownership must report their land holdings as foreign-owned.

The Department of Agriculture reaches the obvious conclusion that nationally, foreign ownership of American farmland is so small as to have little or no impact. There are areas of concentration where foreign ownership has caused concern. But on a national basis it's a drop in the bucket.

Under terms of the land ownership law, the government will be keeping close tabs on who's buying and selling farmland. And if there is any noticeable trend, it will be duly reported. In the meantime, American farmers and others who are concerned about who owns the farms can rest assured that our fertile acres aren't going to be gobbled up by some foreign interest at least in the foreseeable future.

Besides the obvious economic reasons for investing or not investing in American soil, there may be another consideration. Suppose a foreigner – say an Iranian – had purchased a large parcel somewhere in rural America. And maybe things were going along just fine, with local farmers renting the ground and handling business arrangements through an American lawyer or a dummy American corporation.

But then trouble erupts between the U.S. and Iran. What would keep Uncle Sam from just nationalizing those Iranian acres? He would simply say through some governmental agency that all property owned by Iranian citizens now belongs to him. A foreigner would really have no recourse. So there goes the Iranian's farm and perhaps all of this savings. He would have been better off buying war bonds in his own country.

Farmland can't be moved and that single fact is probably going to keep most foreigners from getting too deeply committed to Rural America. Those countries with strong and long standing ties with the U.S. are the ones with the most farmland investments. The Canadians, for example, would have virtually no fear of such nationalization. And so collectively they own almost two million acres. Iranians, on the other hand, own about 4,000 acres. The Russians own less than 1,000.

For these and other reasons I can't get too excited about the prospect of foreigners coming over here and buying up our farmland. No doubt there are areas of foreign concentration where their presence does cause a problem But you can get most foreigners don't see U.S. soil as a best buy in the long run. And even if they did, I think Uncle Sam would simply take it back should the need arise.

Plowing roadside ditches is costly practice

LEESPORT — Plowing through road ditches and turning around on the road are bad practices states Duane Pysher, district conservationist for the USDA Soil Conservation Service. "This effort to gain a few feet is not worth it," adds Pysher. "It costs municipal government money and is a safety hazard."

The practice of plowing through roadside drainage ditches increases township, county, and state road maintenance costs. Road ditches must be rebuilt more often because plowing closes the ditch. This interferes with the drainage which causes the paved roadway to crumble quicker. It can also increase wetness in the adjoining farm fields.

Turning tractors and plows on the highway can up road costs and is a safety hazard. Many times the plows will tear out chunks of the pavement decreasing road life.

Slow moving tractors and plows making turns on the road present a safety hazard to faster moving traffic. Soil drops off the plows onto the roadway. The soil on the road, combined with rain, makes a slippery surface, greatly increasing the chance of an auto accident. Is the gaining of a few feet of field edge worth chancing injury or worse to the farm equipment operator and the motorist? asked Pysher.

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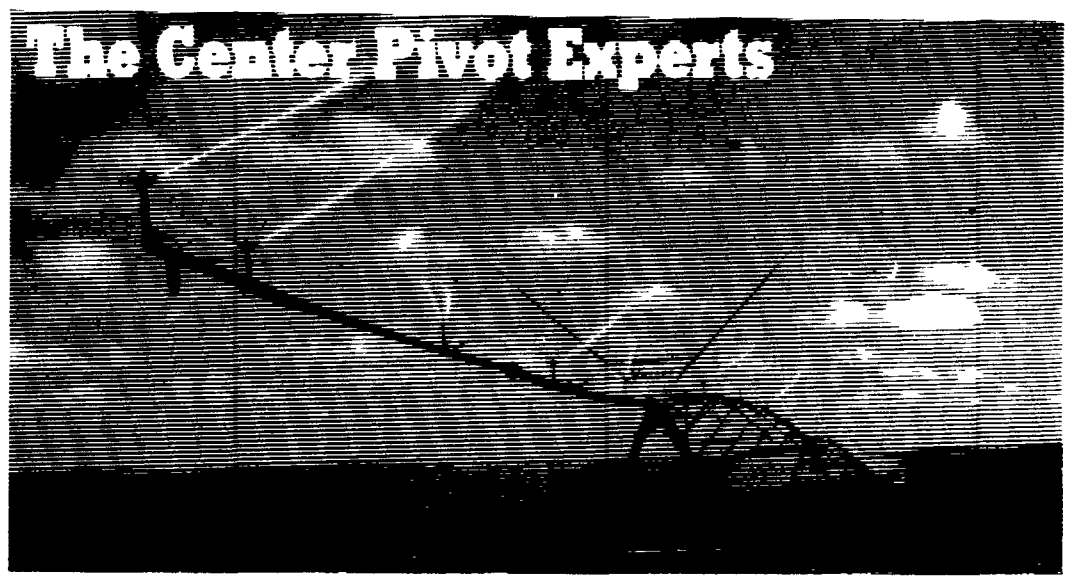

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Bradford County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

March, 1985

This reports all DHIA cows that have produced 750 lbs of butterfat or more in 305 days

Owner Name or No	Brd	Age	Days In Milk	Lbs. Milk	Lbs Fat
Y Run Dairy Farm					
Emma	3	7	305	21,798	830
Pretty	3	4	297	23,187	906
Penny	3	4	305	21,751	817
Ron Dave MacWhinnie					
Goldie	3	7	305	20,003	859
Dale Mattocks					
Kristen	3	3	305	18,391	772
Russell L Jones					
Larae 2	3	11	298	18,428	808
Lorine	3	5	305	19,894	902
Thomas McCarty					
446	3	3	300	21 945	806
Shumhurst Farm					
Semi	3	10	305	21,250	751
Sumtime	3	3	305	19,253	772
Bob & Dale Tillinghast					
Pearl	3	3	305	19,516	813
Robert S Thomson					
77	3	5	305	19 827	848
Glen & Arlen Landis					
Jenny	3	5	305	21 443	767
Ben & Dean Jackson					
Delta	3	4	305	20,627	798
David Berry					
G 18	3	5	305	22,906	875
Kandy	3	3	305	22,330	884
Russell Stowell					
72	3	6	305	15 883	753
Keith & Karen Crain					
Pammy	3	6	305	18,222	796
Lyle D Monro					
11	3	5	305	20,574	825
Brennan Farm					
Lacey	3	3	305	17 704	843
Robert H Whipple					
Vera	3	6	305	24 052	843
Robert Taylor					
Linda	3	5	305	20,692	799
Steve & Carol Jenkins					
Needle	3	6	281	**22,915**	792
Pinetop Farm					
Melody	3	6	305	22,483	787
Chrisma	3	3	287	20,947	773
HW & Gladys Alderfer					
Lizzy	3	7	305	17 994	759
Windham Valley Farm					
Gerry	3	7	241	20,418	754
Art & Clay Harkness					
Nub	3	5	305	18,999	833
George M Shell					
Carrie	3	6	305	20,860	801
Roy & Tim Beardslee					
20	3	4	303	21,111	781
Alfred Sparling					
Dora	3	7	305	23,601	896
Lottie	3	2	305	20,278	754
Arthur D Wolf					
18	3	9	305	19 180	782
Allen S Andrews					
Rejoice	3	5	305	22,968	777
Fern	3	4	305	25,112	784
Pilgrim	3	4	305	23,444	877
Trinket	3	2	305	20,590	822
Ter-Mar Farm					
Annette	3	4	305	23,073	885
Wort	3	4	305	22 820	823
Linda	3	4	305	17,829	776
Richard G Tice					
40	3	10	305	21,412	802
Walter G Wheaton					
Tulip 96	3	10	305	17,981	772
Ray & Larry Rowe					
92	3	7	305	19,745	971
Snowcrest Farm					
Heather	3	5	305	24 188	913
Lewis & Lois Alferson					
Frosty	3	5	305	19,843	801
W & R Vanblarcom					
97	3	4	305	21 474	831
43	3	3	305	22 489	807
Harold Warner & Sons					
Clip	3	5	305	21,085	811
Gary & Donna Ayres					
95	3	5	305	22,819	756
Scott Bryan Shedden					
Mae 64	3	8	305	18,554	755
Halstead Brothers					
95	3	5	305	18 726	751
Vaughn & Kathy Harkness					
9	3	3	305	20 765	764
Scott & Lynn Cook					
Hilarey	3	5	305	24 188	884
Barry Bradley					
Ona	3	5	283	17 736	805
Lawrence A Swartley					
12	3	5	305	19 758	766
Nelson Welles					
34	3	7	305	19 409	784
Pat & Pam Salerno					
Jem	3	3	305	20 288	757
Richard Sue Kauffman					
Petunia	3	4	305	20 135	821
William Eick					
Beau	3	3	305	21,201	751
Century Valley Farm					
12	3	4	299	18,841	811
30	3	5	305	17 499	792
Latini Brothers B&W					
75 Bags	3	5	305	18 070	805
Matt Will B&W					
Frosty	3	7	305	24,818	914
Gem	3	6	305	19,919	794
Matt Will R&W					
Sami	9	4	305	23 241	829
Kenneth Howard					
Pet	3	4	305	20,331	855
W T R Brown					
8	3	5	305	18,039	758
26	3	4	305	22,280	864
42	3	5	305	21,797	994
54	3	4	305	21 027	916
Parks Knoll Farm					
83	3	7	305	22 225	824
Merle & Leslie Wanck					
Echo	3	6	305	21 650	820

McKEAN COUNTY DHIA
March, 1985

Rolling Herd Average (Over 650 Lbs. Milk Fat)

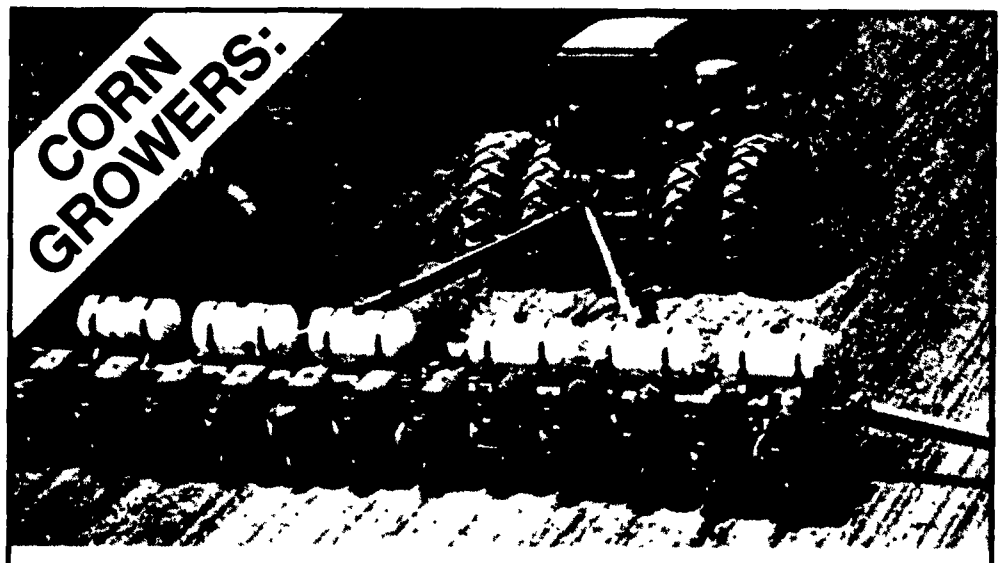
John H Lapp	58	18,971	715	613
Orton Kinney	26	18,550	706	576
Charles Irons	80	16,834	700	545

Lactation (Over 750 Lbs.)

Charles Irons					
Mongirl	6 5	305	17,384	772	4
Mantz Farms					
Evonne	8 5	305	20,983	892	6
Orton Kinney					
Tanya	8 4	305	20,018	792	6

CLEARFIELD COUNTY DHIA
March, 1985

John Sankey	3	31 6	88 1	19,807	752
A L Orner Sons	B3	74 7	87 8	20,076	750
R Wriglesworth&Son	B3	54 6	87 3	19,368	727
Duane Peters	B3	39 9	92 6	19,240	719
Glenn Hicks	B3	64 0	91 9	20,254	704
A L Orner Sons	2	25 5	86 4	14,364	669
Dan Gearhart	B3	44 2	90 4	17,107	653



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'Heavenly' sheep "no earthly good"?

YORK – Penn State's sheep production specialist, Dr. Clair Engle, is not particularly impressed with current trends in the purebred sheep industry.

Engle was a featured speaker at the April 27 York Sheep and Wool Producers' field day and sale, held at the York Fairgrounds.

"The shows have 'taken' us," claims Engle. "We're supposed to believe that bigger is better."

"But there's little correlation to productivity, and often no real production records there," he figures. "We've gotten our sheep so close to Heaven they're no earthly good."

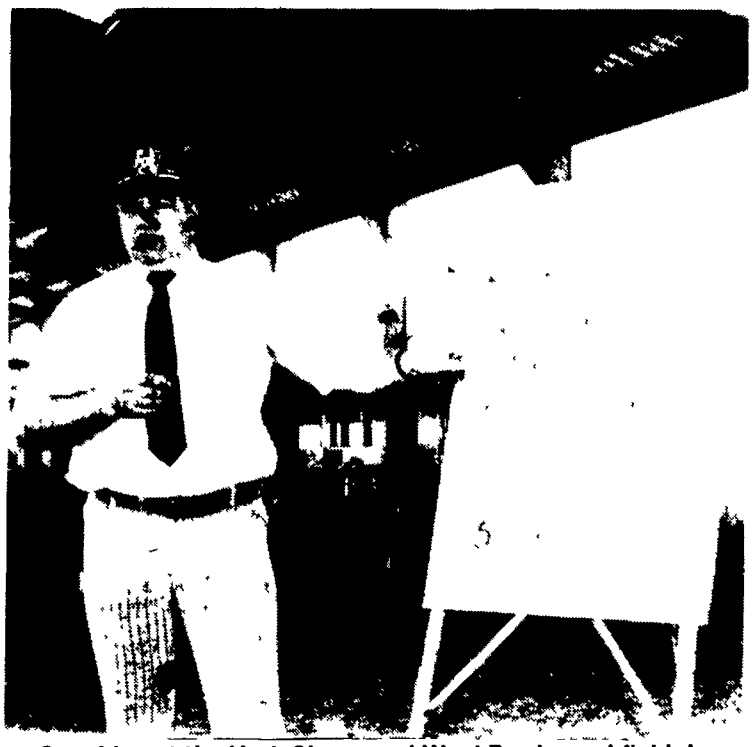
Engle further suggests that these "synthetic" breeds are merely "supplying satisfaction to a few inflated egos," and industry objectivity is being lost. Instead, breeders should be considering what will best serve the whole industry.

Rather than stress ribbons and trophies, shepherds should take a closer look at production records, which are a vital management tool for evaluating every ewe. Records must focus on the ewe's lambing and mothering abilities, while also taking into consideration wool production potential.

The age at which a ewe first lambs is a key factor in Engle's opinion. Young ewes must be managed toward breeding at the earliest age feasible. Well-grown ewe lambs, bred as early as possible, will on an average produce 1.6 lambs, per lambing over their productive lifetime. By comparison, yearling-bred ewes average 1.49 lambs per lambing, and two-year-old first mothers produce a lower 1.33 lambs per lambing over a lifetime.

Mothering abilities are too often taken for granted, says Engle, and can be measured by pounds of lamb weaned. An offspring weight of 90 pounds in 100 days is a "very realistic goal," he suggests.

Selection of replacements is a critical part of flock management, with birthing ability getting a top priority listing. Season of lambing



Speaking at the York Sheep and Wool Producers' field day, Penn State's Dr. Clair Engle was critical of current purebred trends emphasizing size. He suggested that "We've gotten our sheep so close to Heaven that they're no earthly good."

is an area shepherds should seriously consider. Engle emphasizes that all breeds have the potential of lambing in the fall, as well as spring, but some breeds are more prone to do so.

A genetic history of multiple births in ewe bloodlines is another plus. Theoretically, ewes have the potential of a two-lamb yearly average, or 200 pounds of lamb raised each twelve months. That's compared to the current national average of .9 lambs, or 90 pounds raised per ewe, per year.

Engle cited one case of a Pennsylvania breeder who began lambing his Rambouillet-Coopworth crossed ewes last December 1, and just sold the 143 head the latter part of April. They averaged $77.25, after being fattened on winter rye, and in the feedlot for only 15 days.

Selection for conformation should include a soundness in the jaw area. A ewe with an undershot or overshot jaw structure is one that cannot graze as efficiently.

Size of a ewe lamb at 70 days is a reliable indicator of her future replacement value, since better growth weights indicated potential higher milk production capability. In the case of twins, ten pounds of weight per twin less than that of a well-grown single lamb, is still considered satisfactory, at the 70-day evaluation point.

Wool is too frequently considered just a by product, Engle laments, and production of that commodity given too little attention when selecting breeding stock. While genetics do play a large factor in fleece quality, manufacturers are paying increasing attention not to length or thickness of fiber, but to the absence of vegetable matter, or dirt, in the fleece.

DHIA and dairy farmers must computerize

UNIVERSITY PARK – C. William Heald sees two types of dairy farms on the future.

Big dairy farms, mechanized milk factories with large capital investments will produce the bulk of the dairy products, he says, while small dairy farms, run with high labor inputs and low capital, will continue to compete in local markets.

Both operations will use automation and computers in varying degrees, with the highest level of technology on larger farms.

Heald, an associate professor of dairy science extension at Penn State, painted this futuristic picture at a DHIA meeting in March. Although it was just a prediction, Heald said his picture wasn't too far-fetched.

Dairy farmers must use computer technology, and the DHIA must be prepared to help dairy farmers with their transition into the computer age, or both will lose to computerized competition.

"Many dairy farmers need to be involved in their decision to adopt new technology," he said. "The DHIA system is quickly advancing to the point where farmers don't know how to use what they have, much less what is available. Without greater farmer involvement, this situation is going to be aggravated."

Dairy operations will use current techniques for weighing, sampling, shipping, testing and reporting for some time, Heald said, but "many highly technical and automatic services will also be required to service our future clientele."

For example, future dairy farmers had better know something about portable electronic devices that weigh milk, measure feed, monitor calf growth, check cow body weight, sample milk and check cow health, from once a month to three times a day.

Heald's first DHIA suggestion for the dairy farmer is familiarization with a personal or portable computer. "It is used in many places today, and if we are not using it, we better get one tomorrow and do so," he said.

"Our secretaries use them, our competition uses them, and other DHIA's use them...The pencil will be in use for some time, but for some dairymen, it will not give the services or data turnaround desired."

Computers cost big money, however, and some farmers won't be able to afford the technology they need. Heald suggests that the farmer use DHIA equipment and instruction to meet his means. The DHIA representative, at the same time, must be prepared to help.

"Future dairy farmers will require management assistance in the form of consultants on the farm periodically," he said. "The electronic delivery of data will not be enough."

Heald's second suggestion is a combined effort between dairy farmer and the DHIA on computer instruction. "New approaches and new priorities must be sought if experienced dairymen are to learn new management techniques and if DHIA dairymen are to learn the rudiments of daily record keeping," he said. "We all agree that records pay, but many dairymen need to be taught how to make them pay."

Delaware starts gypsy moth spray

NEWARK, De. – The Delaware Department of Agriculture was planning to start its 1985 gypsy moth aerial spray program on May 1.

Kevin Donnelly, Gypsy Moth Program Manager, says that spraying will begin simultaneously in Kent and New Castle County Spraying will be completed within two weeks.

"Helicopter Applicators, Inc., our aerial contractor, will be supplying six planes and one helicopter in the spray project", Donnelly said. "We'll be using a biological insecticide known as Bt or Bacillus thuringiensis which kills only leaf-eating caterpillars The warm, dry weather has pushed gypsy moth egg hatch up by 10 days and the lack of rainfall has slowed oak leaf development We need oak leaves out there in order for the B.t spraying to be effective."

Once the spraying begins daily progress reports and spray schedules will be available starting May 1 by calling 697-2345 after 3 p.m. each day

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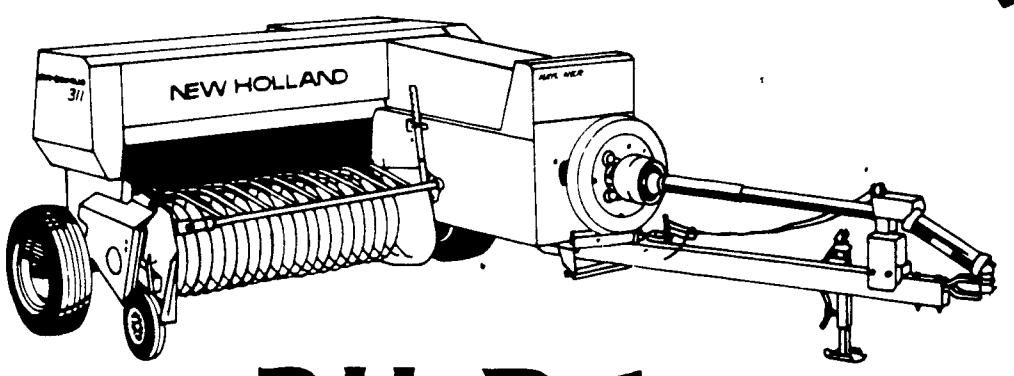

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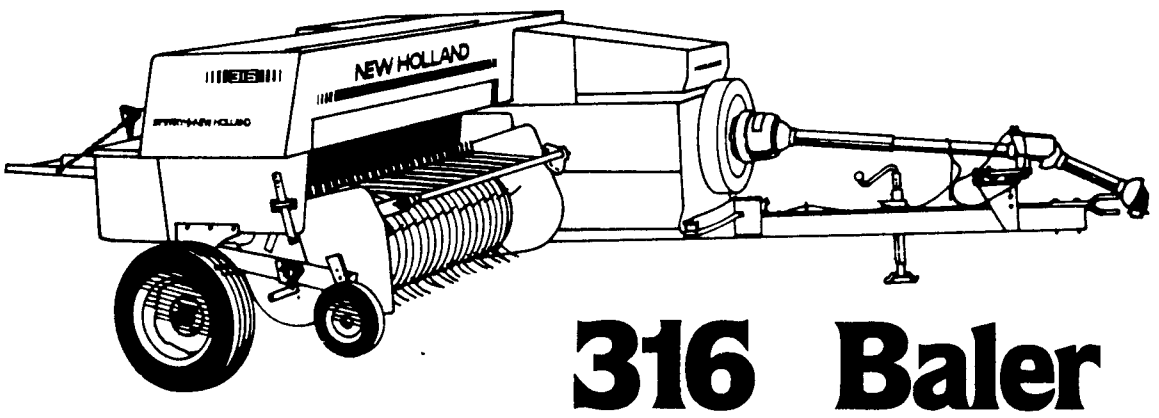

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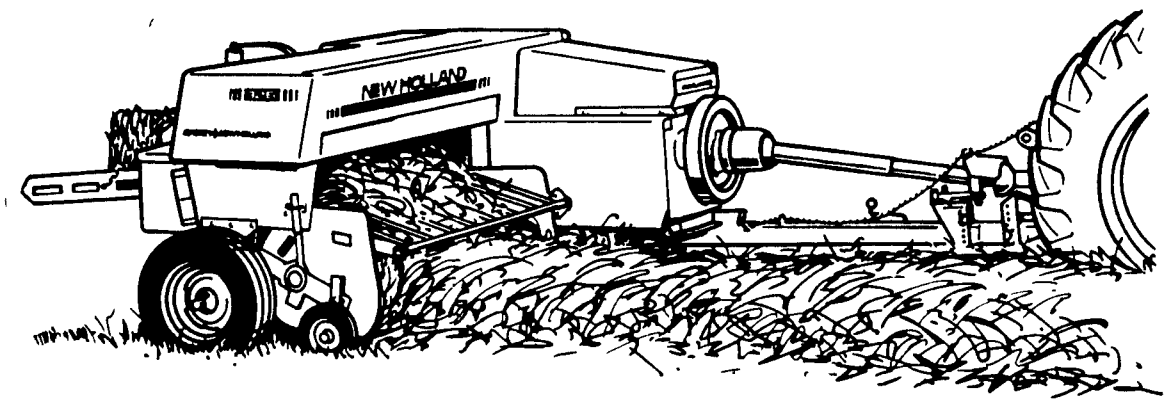


326 Baler

U.S. farmers may lose 7% of assets, council says

WASHINGTON – The Farm Credit Council today revealed figures compiled by a group of university economists which indicate that under an optimistic scenario, as much as 7 percent, or $52.5 billion, of the agricultural assets in the country may have to be sold by U.S. farmers because of financial stress.

Even by liquidating this amount of farm assets, a Council representative said, over 2 percent of the nation's total farm debt, or almost $4.4 billion, may have to be written off.

According to the Council, in the next three years the number of farms on the market will be three to five times the norm.

As a measure to prevent a swamping of the farmland market, the Council suggested creation of an Agricultural Conservation Corporation (ACC). Such a limited-life, federally chartered corporation would be able to purchase farm assets of distressed farmers and their lenders.

These statements were contained in testimony the Council presented at a hearing on the 1985 Farm Bill before the Senate Agriculture Committee.

Speaking for the Council were Melvin Todd Jr., a farmer from Union, Neb., and a member of the board of directors of The Farm Credit Council, along with Gene Swackhamer, president of the Baltimore District Farm Credit Council and chief executive officer of the Farm Credit Banks of Baltimore.

Todd said that according to the recent projection of the deteriorating farm economy, if conditions worsen so that farm income declines, asset values fall to 65 percent of their current value and interest rates hover at 10 percent, then as much as 17 percent of all farm assets might have to be sold in order to make payment on the current farm debt.

Todd told the Senators that the Council, a federated trade association representing the nationwide network of Farm Credit banks and associations, was prompted to commission a study of certain economic conditions affecting agriculture as a result of similar results of a recent USDA study and a survey completed in January by Farm Journal magazine.

Todd said, "The Farm Journal survey found that close to 30 percent of the farm operators have debt-to-asset ratios greater than 40 percent. But of particular note, is that these financially stressed individuals owed close to two-thirds of the agricultural debt and held about one-quarter of all farm assets."

Todd said that because of the importance of the information released in both reports, The Farm Credit Council helped support a further analysis of the information by the Food and Agricultural Policy Research Institute, composed of economists from the University of Missouri and Iowa State University.

"We asked the institute economists to project what might happen to the financial condition of farmers between 1985 and 1986 under various rates of return and with various levels of asset values," Todd said.

He said the economists were asked what would be the impact on the economy as a whole if as much as 4 percent of the agricultural debt were written off.

The economists responded that a 4 percent loss on all farm debt would result in an estimated loss of $7.3 billion in personal income, $21.7 billion in lost output and a loss of more than 500,000 jobs nationwide.

Under the proposal, ACC capital would be owned by users of the corporation, including farmers, commercial banks, Farm Credit institutions, USDA, insurance companies, contract sellers and others.

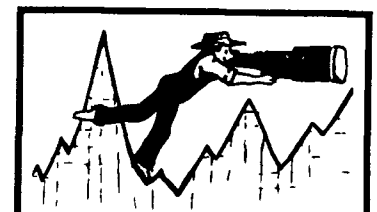
The corporation would be a willing buyer of farmland during the first five years of its life. Land would have to be sold in an orderly way prior to the end of the corporation's 10-year life.

In giving further details on the Agricultural Conservation Corporation proposal, Todd said, "The first and foremost beneficiaries of the plan would be farmers."

The farmer who sells assets to ACC would have first right to lease the property back, he would be protected against the sale of his property by the ACC for three years, and he also would have first refusal if the property were put up for sale. The ACC can provide an alternative to liquidation in many instances, Todd said.

"Most of all," Todd said, "farmers would avoid paying, through higher interest rates their lenders' costs of holding land in inventory."

Assuming that farm assets would stay at their present level for the life of ACC, the plan would cost an estimated $1.5 billion over 10 years. However, the Council proposal includes a recapture feature which would allow the government to recoup its costs should land values recover. If conditions improved so that farm assets, principally land, rose by 12 percent in the next 10 years, the program costs would about equal the returns.



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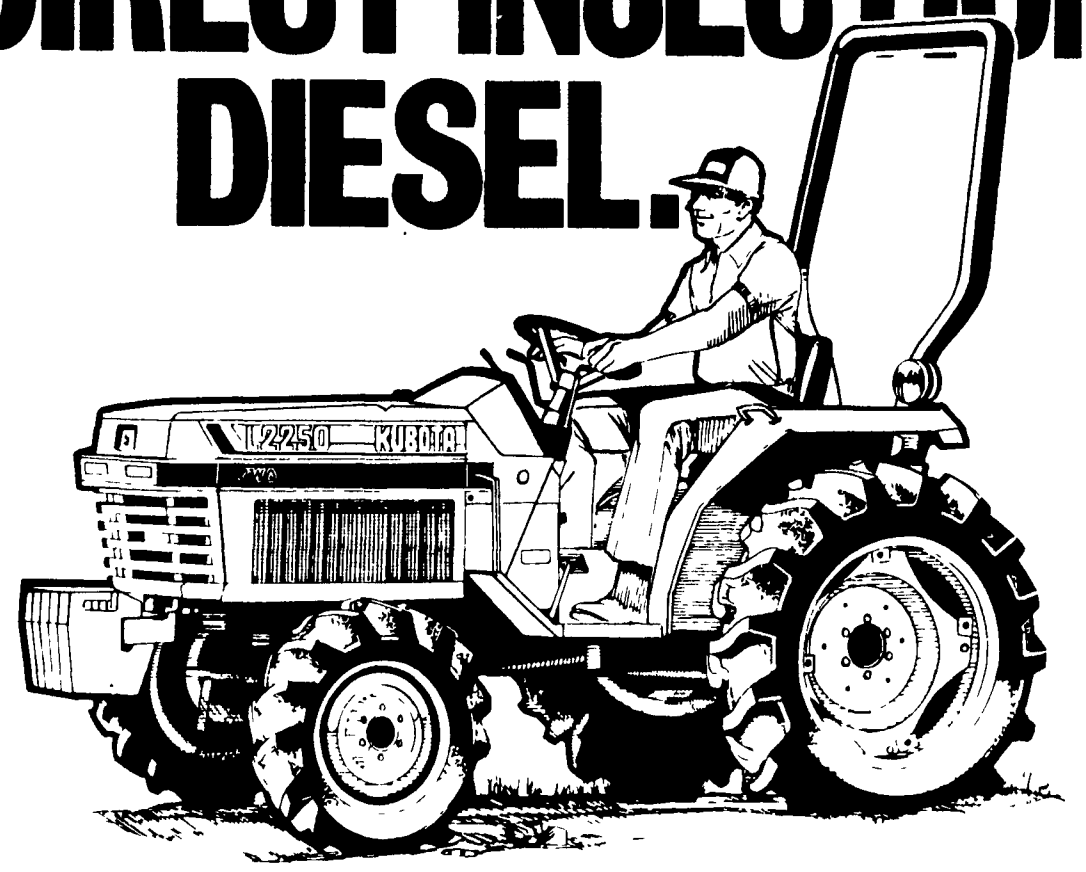

Kubota introduces a compact tractor with direct fuel injection. The new L2250 has a 3-cylinder diesel engine with 21 PTO horsepower. Plus it has direct injection for improved starts in cold weather and better fuel economy, too.

Other standard features, not so standard on most tractors of this size, include rear- and mid-mount PTO for maximum versatility when it comes to attaching implements. Surprising, wet disc brakes are standard, too. Power steering is standard on the deluxe model.

Our operator platform is designed for increased comfort, with all the important controls at your fingertips. Not underfoot.

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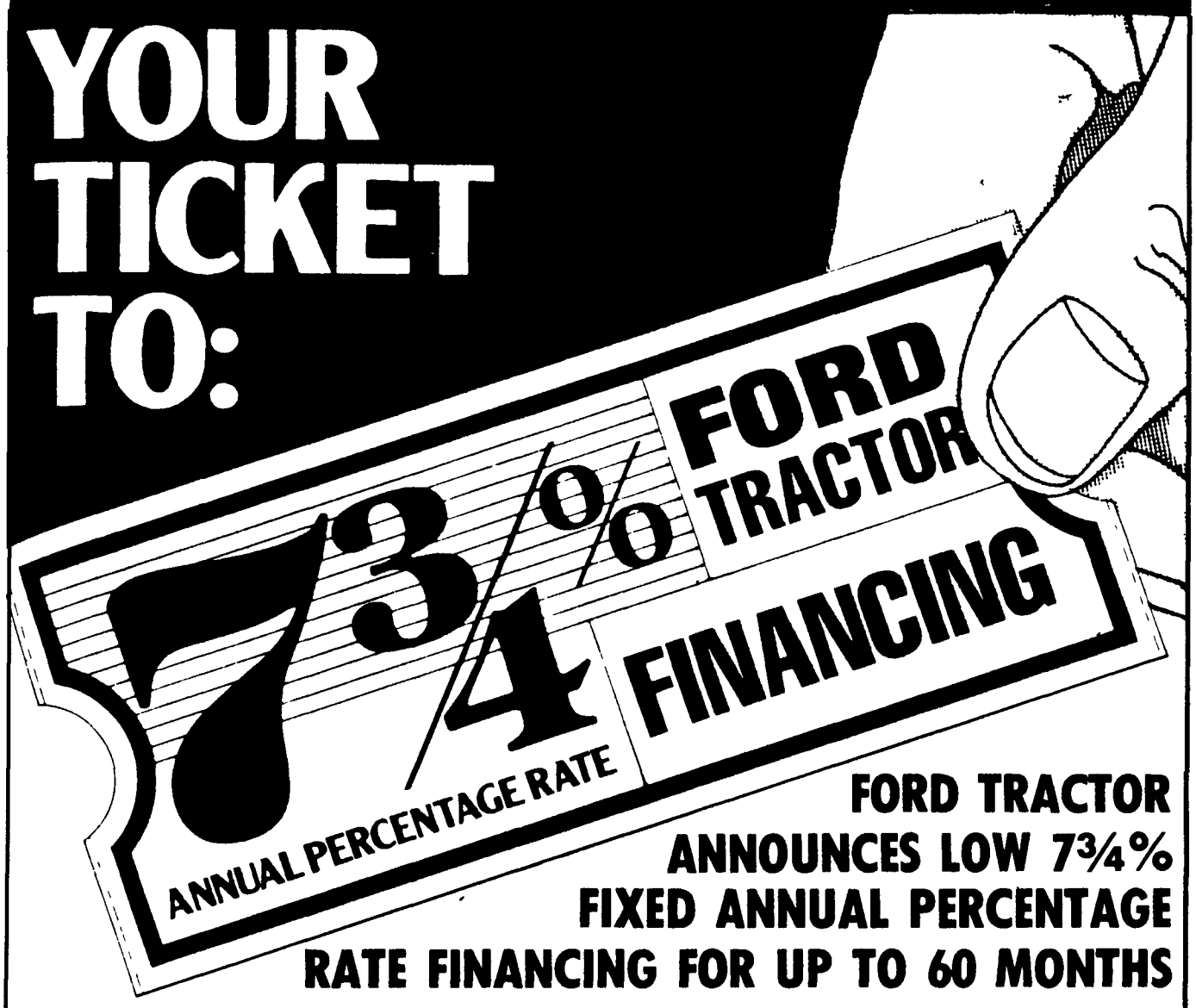

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- 10 or 12-speed transmission
- Optional front-wheel drive
- Live hydraulics
- 540 rpm PTO
- Category I 3-point hitch
- Check the features. Then stop by and test one for yourself

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- 140 PTO hp* turbocharged 401 cu in diesel engine
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- New hydraulic performance
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* Manufacturer's estimate

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Bee quarantine removed

WASHINGTON - All federal regulations restricting interstate movement of honey bees and certain items from areas quarantined for honey bee tracheal mites have been removed, according to a U.S Department of Agriculture official.

"The regulations restricted movement of honey bees and certain other articles from infested areas in an attempt to prevent artificial spread of honey bee tracheal mites," said Bert W. Hawkins, administrator of USDA's Animal and Plant Health Inspection Service.

The tracheal mite attaches itself to a honey bee's windpipe, reducing its flying ability. A heavy infestation of tracheal mites can weaken an entire bee colony and reduce honey yields.

"Recent surveys show the mites have become widespread in the country," Hawkins said. "Given the extensive range already attained and the migratory nature of the honey bee industry, we believe that federal quarantine measures will not effectively prevent additional spread of the honey bee tracheal mite. Therefore, we have removed the regulations and all federal restrictions on formerly quarantined areas."

The entire state of Florida and parts of Louisiana and Texas had been placed under federal quarantine regulations for tracheal mites. The quarantine regulations restricted movement of bees and such products and equipment as hives and shipping containers from infested areas in these states.

"Although we have lifted federal quarantines," Hawkins said, "we have developed model quarantine regulations for states to use, if they wish, to protect their own package and queen bee operations."

USDA issued quarantine regulations in August 1984, following detection of tracheal mites in Texas in July of that year. Hawkins said it is likely that infested or exposed bees were shipped to many areas of the United States even before the infestation was detected and the regulations were imposed.

Hawkins said USDA continues to conduct research on management and control procedures to help reduce adverse effects of the bee mite.

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Blair County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

March, 1985

The twenty high herds for the month of March are listed as follows

Owner	No Cows	Days In Milk	Lbs Milk	Lbs Fat
Thomas W Kelly	65 4	87 3	21 358	771
Fred Bechtel	78 9	89 2	19 729	754
Clover Will Farms	121 8	87 3	19 973	738
Blackcrest Farms	70 9	87 7	19 032	736
Dale W Hoover	31 4	90 8	19 095	716
Marcove Farm	66 4	87 3	19,374	715
Penn England	93 3	89 7	19,019	712
Charles & Mike Hoover	82 4	87 2	19 325	707
Emile Dilling	105 7	85 2	18 207	702
Mil Ber Farms	108 4	88 3	18 419	695
Richard R Fox & Sons	42 9	83 0	18,560	692
Baker Farms	105 5	87 4	18 846	692
Dennis A Smith	49 0	87 4	19,229	692
C Eugene Smith	84 9	88 7	17 667	675
GW & RG Baker	69 9	91 3	18 113	671
James Smith	38 8	92 7	18,490	667
G Wayne Smith	70 8	87 6	18,181	665
William R England	135 7	88 4	17,500	659
W Dean Stern	66 3	92 1	18,008	658
Lar Ann Farm	125 9	84 6	17 1..	654

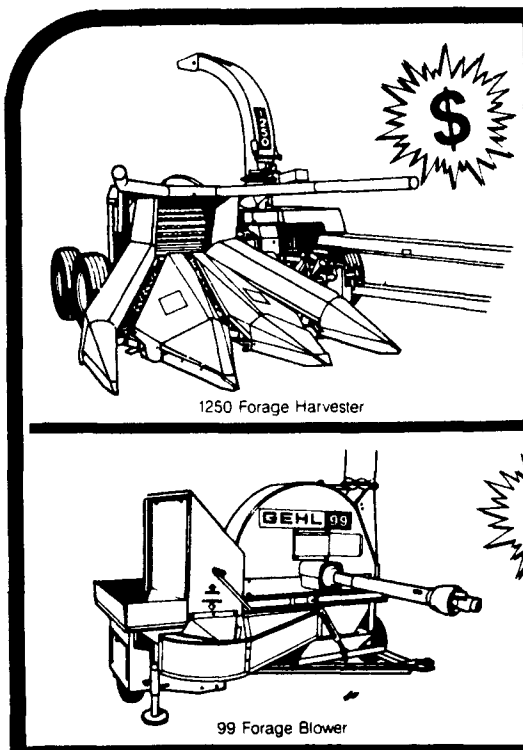
HIGH COW

The high cow for the month is a registered Holstein in the Thomas Kelly herd. Becky, a 7-7 produced 27,174 pounds of milk and 985 pounds of butterfat in 305 days

INDIVIDUAL COW RECORDS OF 305 DAYS OR LESS OVER 750 POUNDS BUTTERFAT

Owner Name or No	Brd	Age	Lbs Milk	% Fat	Lbs Fat
GW & RG Baker					
141	RH	9 11	22,212	3 7	811
217	GH	6-2	19,604	4 1	806
Smith Hollow Farms					
173	RH	5 7	20 597	3 7	765
Wayne P Stonerook					
Lime	GH	8 1	18 474	4 2	775
Mary Walters					
BBL0870	RG	8 5	15,398	5 2	802
CEES948	GH	5 6	17 851	4 7	834
CHL0708	RH	3 10	20 424	3 9	798
Rich Lou Farms					
118	GH	5 7	21 651	3 8	823
Clover Will Farms					
48C	RH	4 5	23,012	4 0	916
34C	GH	4 7	23 024	3 7	845
65C	RH	4 1	21 739	4 0	873
17D	RH	3 5	22 837	3 3	764
G Wayne Smith					
Rudy	GH	7 8	24 586	3 1	760
Mil Ber Farms					
Peasie	RH	4 2	19,949	4 1	811
Bo	RH	3 1	19 031	4 1	780
Marcove Farm					
Mindy	RH	6 7	20,329	3 9	791
Emile Dilling					
196	RH	5 3	20 005	4 0	804
273	RH	3 3	21 31.	3 7	789
Gerald Burket					
Samatha	RH	4 0	17 581	4 5	791
Fred Bechtel					
Tiny	GH	7 2	21,727	3 5	762
Dotty	GH	4 0	21,748	3 8	825
Jane	GH	2 2	19,156	4 1	792
Blackcrest Farms					
34	RH	7 4	21 073	4 3	897
39	RH	7 2	24,075	3 6	871
43	RH	6-5	21 259	3 6	757
69	RH	4 5	21 459	4 4	954
77	RH	4 2	22 102	3 9	869
97	RH	3 2	21,127	4 3	914
119	RH	2 8	19,831	3 9	766
George Wertman					
Flea	GH	4 9	20 951	3 8	793
Barb	GH	4 10	21,737	3 6	778
Lori	GH	3 11	19 561	3 9	769
Richard R Fox&Sons					
Janie	RH	5 5	23 125	3 5	811
C Eugene Smith					
73	GH	3 2	20,750	4 4	905
W Dean Stern					
0 68	GH	6 6	25 099	3 5	885
Jay Metzker					
Trixie	GH	3 0	18 231	4 4	804
William R England					
511	GH	4 1	20 968	3 9	826
Donald G Hoover					
Karen	RH	6 11	19,808	3 9	771
Maiden	RH	5 0	22 520	3 4	764
12	RH	4 5	18 629	4 3	802
Baker Farms					
306	RH	8 3	24 251	3 7	888
388	RH	6 2	17 752	4 4	773
427	RH	4 8	22 194	3 9	867
442	GH	4 4	26 138	3 7	966
Lar Ann Farm					
Justice	RH	7 9	23,441	3 9	904
Lottie	RH	5 10	22 597	4 0	901
Frilly	RH	4 3	19 285	4 1	792

(Turn to Page D20)



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Gehl 1000 Forage Harvester: $350 bonus
Gehl 750 Forage Harvester: $250 bonus
Gehl 99 Forage Blower: $100 bonus

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- ☐ Disc Mower Conditioner: 1080/2330/2350
- ☐ Mix-All Grinder Mixer. 100/135
- ☐ Skid Loader: 3310/3410/3510/3610/4510/4610
- ☐ Forage Box: 640/650/960
- ☐ Flail Chopper: 7200

Your second purchase must be made between February 1, 1985 and December 15, 1985, in order to redeem the cash certificate

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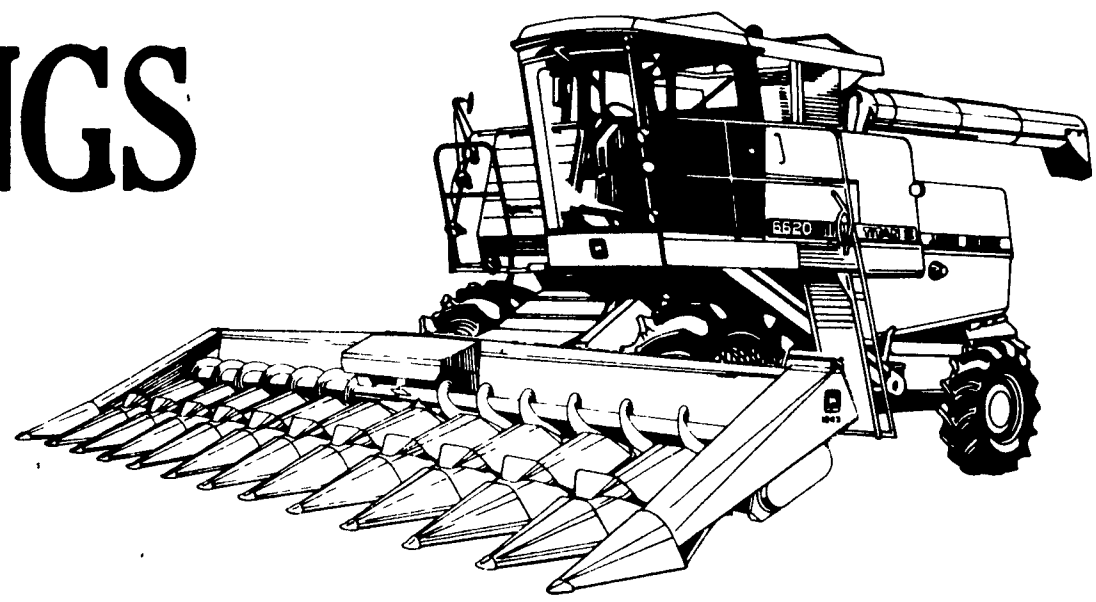

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Hours: Monday Thru Friday, 7:00 to 5:30; Saturday 7:00 to 4:00
Special Spring Hours...Open Sundays 8:00 to 4:00

Schulykill County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

March, 1985
ROLLING HERD AVERAGE

The following are reported from the production report for March based on a 365 day Rolling Herd Average Only those herds with an averge production of 650 pounds or more of butterfat are reported

Owner	No Cows	Lbs Milk	Lbs Fat
Carl A Farms	56 6	21 284	853
Brian Ruch	27 7	20 118	796
Paul & Ken Wagner	55 3	19 215	755
Heisler Brothers	67 8	19 123	732
James Rodichok	64 6	18 013	727
Miller & Rex Inc	34 5	17 476	687
Larry Hepler	52 9	16 744	673
Dawn F Rhein	70 2	13 596	655
Snyder Brothers	79 3	17 714	652
Raymond Reichwein	38 8	16 798	651

The records are based on 305 days or less 2x actual production

Owner Name or No	Age	Lbs Milk	Lbs Fat
Carl A Farms			
Irma	4 6	23 423	1072
Flower	3 3	21 442	847
Paul & Ken Wagner			
Inka	3 4	19 531	840
Suntrail Dairy Farm			
Lotahil	4 2	21 827	838
Larry Hepler			
Kitty	5 0	20 963	830
Marlin L Lesher			
Pam	4 6	18 758	810
Larry Hepler			
Ollie	3 7	19 033	805
Carl A Farms			
Sis	4 2	19 207	795
Franklin Troxell			
Shelly	7 9	17 913	791
William R Daubert			
Hatty	12 1	19 476	777
Larry Hepler			
Holly	3 6	18 947	774

SULBRA COUNTY DHIA
March, 1985
Records made on A.M -P.M. Alternate Method are designated by A
ROLLING HERD AVERAGES-(650 LBS BUTTERFAT AND OVER)

Dennis Vickie Boyd	3	32 3	86 4	20,288	732	
Richard R Higley	3	89 9	82 9	17,579	730	
Raymond Norconk	3	40 6	88 3	19,021	702	
Bobwood Acres	3	46 5	86 8	18,878	678	
Lambert Farms	3	124 7	89 4	17 769	671	
William B Hart	3	72 3	88 6	17 522	668	
Joan M Woodhead	3	29 9	85 3	17 128	662A	
Ronald Hembury	3	93 6	85 7	16 470	661	
D and D Hottenstein	3	54 9	83 5	18 112	657	

COMPLETED LACTATIONS OF 750 POUNDS OR MORE OF BUTTERFAT

Ronald Hembury						
Babble	3	5 3	305	22 232	4 2	938
Bobwood Acres						
Lucy	3	8 7	305	23 585	3 6	857
Sue	3	6 9	304	23 740	3 2	752
Richard R Higley						
Libby	3	4 1	305	28,309	3 0	854
Surena	3	2 4	305	17 435	4 5	790
D and D Holstein						
Holly	3	6 7	305	23 174	3 5	817
Mount Top Vue Farm						
Diane	3	7 10	305	21 150	3 7	792
Joan M Woodhead						
Wonka	3	4 10	305	20 460	3 9	790A
Darling	3	3 10	305	16 409	4 6	753A
Lambert Farms						
Tonya	3	3 7	305	21 743	3 6	774

Blair Co. DHIA

(Continued from Page D18)

Thomas W Kelly					
Jo	RH	10 11	24 994	3 6	900
Becky	RH	7 7	27 174	3 6	985
Walter Keller					
217	RH	6 7	18 329	4 5	821
244	RH	4 8	18 606	4 5	836
Sparkling Springs Farm					
30	GH	4 3	20 774	4 3	901
Sollenberger Farms					
137	GH	4 4	17 182	4 4	754
Richard Heltzel					
Prince	RH	6 9	19 621	3 8	752
Arlene	RH	4 4	18 012	4 3	767
Penn England					
Star	GH	4 7	17 679	4 3	763
Ida	GH	3 5	23 255	3 3	769
Robert Babe					
353	GH	4 8	21,859	3 5	767
355	GH	4 11	23 992	3 3	785
28	GH	5 5	19 723	4 2	837
Fidelity Holsteins					
Corasue	RH	4 10	23 129	3 7	851

HAVING SOIL PROBLEMS?

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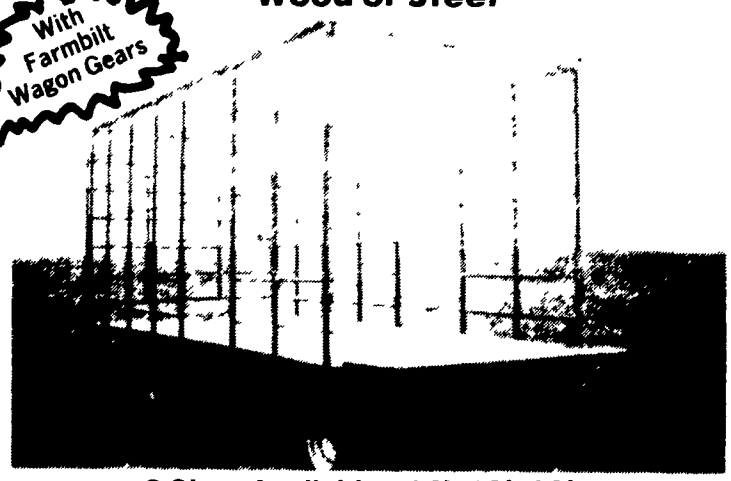

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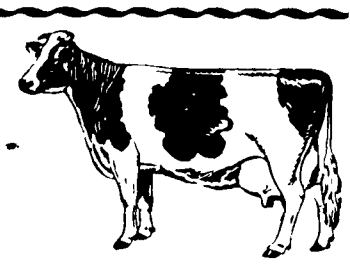

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Basics of culling a laying flock

Nearly all laying flock managers will not cull poor or non-layers—hence we have periods of low egg price which is damaging to the financial well being of each individual poultry farm.

For those poultrymen who wish to cull marginal layers, here are a few suggestions:

Timing: Cull one to 15 percent of the entire laying flock per month after 7 months of lay during periods of low egg price, low productivity or low net income. If egg production is below 55% and cracks are above five percent, consider culling more severely or selling the entire flock. Time your culling when birds will not be disturbed during normal egg laying hours. Use common sense to an uncommon degree.

Identify - Which bird to cull by culling out all females with: small shriveled combs; small dry, yellow, inactive vents; wing molt or severe body molt; any kind of abnormal behavior, poor health condition or one that is a light weight cull; or severe vent drainage of urates.

Method: Open cage door and remove any bird you suspect. Examine her rapidly and cull her or return her to the cage. Do not disturb laying birds unnecessarily. Cull any sick bird anytime. More than half of all poultry diseases are transmitted bird to bird so it is reasonable to cull sick birds.

Savings: A poor or non-layer will eat 70 to 90 percent of the same amount of feed that a productive layer will eat. It is therefore possible to save five pounds of feed per month per layer culled. Feed at seven cents a pound equals 35 cents saved per month for the last five months of lay or $1.75 per bird culled would be the total amount of money saved in feed.

Savings also include culling birds that lay poor quality eggs or eggs with poor shells. Poor shelled eggs are worth only a fraction of what sound shelled eggs are worth. If an egg breaks on machinery or on other eggs it may cost a dollar per broken egg to clean it up. Labor cost, down time, and miscellaneous costs like water, energy, sanitation of eggs broken on equipment can get expensive. This costs some producers several thousand dollars a year. If all sick birds are culled along with all birds with very paled combs, egg quality seems to improve.

Net income may or may not be improved by culling. Here is how it can be improved. If you cull 10 percent of the poor and non layers out of a cage layer flock, the next few weeks you get fewer total eggs but better quality eggs; the remaining birds feel better with more room in the cage, so decrease percent egg production at a decreasing rate so the percent production of remaining birds is higher.

The total feed cost is enough lower to compensate for the overhead cost increase due to fewer birds in the cages.

Since fewer, higher quality eggs are seeking a market the price of eggs received can be higher. Off grade eggs is still one of our greatest problems in causing low egg price to producers.

Labor cost of culling is high so must be offset by people who can cull rapidly at 1 to 2 birds culled per minute or a total of a 500/day culled per person. Put people to culling who normally would do nothing during that time or less important work.

Egg Quality: Culling to improve egg quality happens enough to continue to do it. Sometimes culling poor layers or non-layers has no affect on egg quality so if you cull keep track of these results.

Behavior: Some producers cull birds based on behavior of the non-layer. If a cage layer appears to be weak, depressed, have ruffled feathers, is down, has abnormal eye, feather or behavior - get her out of the cage and examine her. Layers are usually alert, upright and behave normally.

Breeding Affects Culling: Ask your salesman or breeder what birds to cull or when to cull. Some strains show a wide range in individual egg production which allows us to cull. Some strains show very little range in individual bird egg production so culling is less effective.

Nutrition may be used in lieu of culling for one month to try to bring non-layers or poor layers back into egg production. The only questions that haunts the culling technician is – "Is this bird, I am about to cull, out of production for a long time or would she lay many eggs in a week or so if treated properly?" Long time non-layers can be culled; recoverable layers should be kept.

How many to Cull - Be prepared to cull any number of poor or non-layers or any percent of the flock based on wheat each cull looks like the day you examine her. Let the condition of the cull tell you what to cull or keep.

What to do with culls: If culls are diseased, weak, thin and a danger to the flock, they should be buried or incinerated. If the non-layer or poor layer is in normal body weight and has no harmful residues in her edible tissue, she may be dressed and sold for a stewer. Some poultrymen sell these dressed birds for $1.50 or more each.

In summary: Culling poor and non-layers can reduce cost of production, reduce number of low quality eggs produced, lower total number of eggs on the market, therefore creating a potential to increase egg price and net income.

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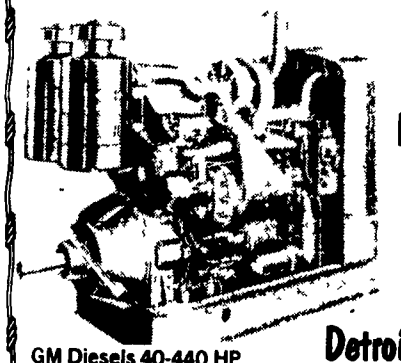

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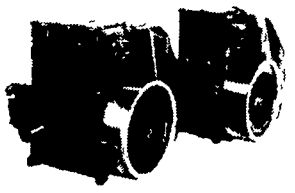

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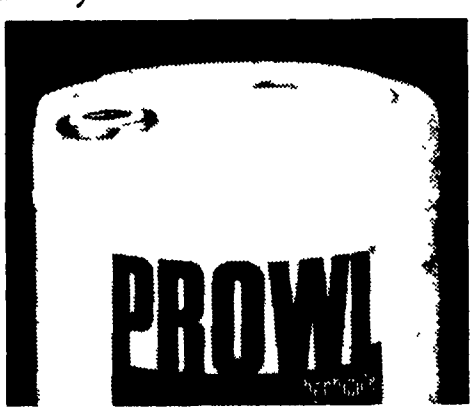

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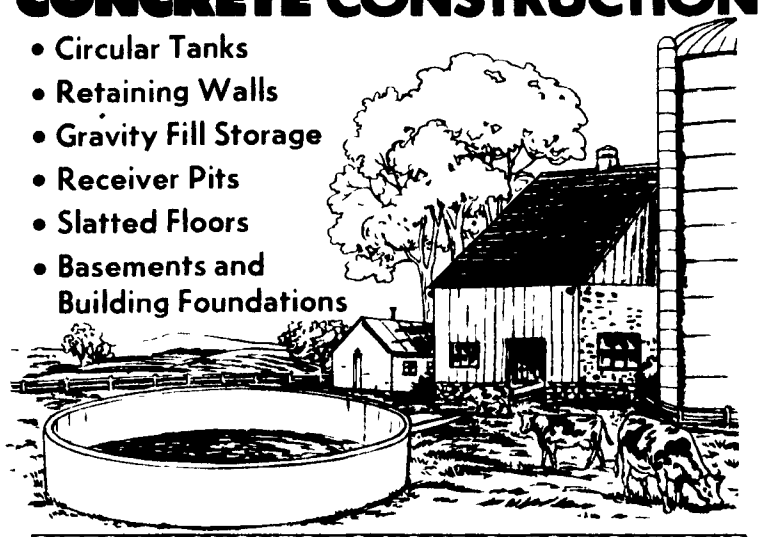

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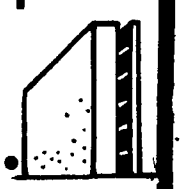

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Huntingdon County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

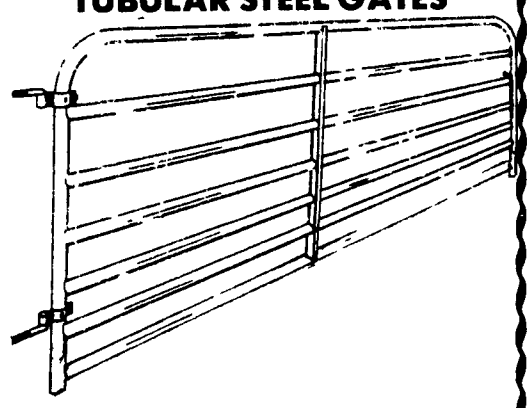
HUNTINGDON COUNTY DHIA
March, 1985
TOP HERDS-ROLLING HERD AVERAGES

Owner	Brd.	No. Cows	Days In Milk	Lbs. Milk	Lbs Fat
Edwin Steach	3	69 5	86 3	20,320	765
Daland Farms	3	107 8	87 9	18 951	737
Sangrey Bros	B3	102 6	89 1	19 007	730
John S Kyper	B3	46 1	87 5	19 910	713
Evergreen Farm No 3	B3	384 0	84 9	18 998	708
Glenn Peachey	3	77 8	88 6	18 944	707
Gerald Mcmath	3	75 9	86 8	18 626	696
Locust Lane Farm	B3	88 2	86 5	18 189	692
Behrer Farms	B3	165 2	87 4	18 918	689
J Frederick Kyper	3	25 3	82 3	17 551	676
Gibboney Farms	3	55 4	87 1	18 939	674
Gregory&Nancy Yocum	B3	29 1	92 2	16 919	670
Chester&Carole Smith	B3	119 9	86 5	18 278	667
Joseph M Mcmath	3	53 4	85 1	17 827	665
Gillbrook Farms	B3	177 9	86 2	18 941	663
Breezy Hollow Farm	3	71 0	85 1	18 296	657
Durbin Farms	B3	140 8	87 4	16 909	654
Tannery Road Farm	B3	60 3	88 8	18 012	653
Mas Isenberg	B3	80 6	87 4	18 229	652
State Correctional Inst	3	154 8	86 5	16 172	650

Owner Name or No	Brd	Age	Days In Milk	Lbs Milk	Lbs Fat
Evergreen Farm No 3					
1572	3	4 2	305	22 134	1040
1353	3	5 7	305	29 045	937
1178	3	6 8	305	24 538	871
1375	3	5 6	305	21 643	849
1388	3	5 11	305	20 960	842
1418	3	6 4	305	22 085	813
1254	3	6 4	305	22 905	810
1567	3	4 10	305	20 975	809
1517	3	4 10	304	21 045	784
1720	3	3 2	305	19 682	784
1509	3	5 0	216	19 652	766
1847	3	2 3	305	23 784	760
Locust Lane Farm					
O 51	3	5 3	305	22 774	1010
O 75	3	3 6	305	22 053	989
Y 11	3	8 3	305	20 679	789
Daland Farms					
Nancy	3	5 4	305	25 704	946
Rim	3	5 1	305	21 195	823
Gaylynn	3	3 2	305	20 761	801
Camilla	3	3 6	296	21 305	772
Honeybe	3	4 3	305	21 025	768
Beul	3	3 3	305	20 148	756
Behrer Farms					
309	3	3 2	305	20 211	937
213	3	6 11	305	23 911	872
171	3	5 6	305	23 105	781
126	3	6 5	305	23 745	766
202	3	4 10	305	21 703	755
State Correctional					
452	3	6 0	305	20 265	867
5899	3	8 11	305	19 921	828
Gregory & Nancy Yocum					
Julie	3	6 7	305	20 328	863
Roy & Deb Grove					
237	3	5 4	305	18 312	846
Philip A Yohn					
5243	3	5 4	305	23 476	836

(Turn to Page D23)

TUBULAR STEEL GATES



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Huntingdon Co. DHIA

(Continued from Page D22)

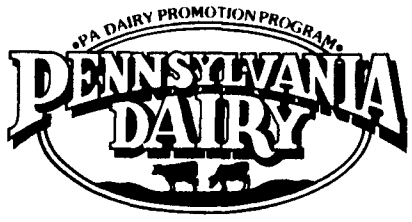
Glenn Peachey Stacy	3	4 4	305	22 551	820
Jefferson R Byler Rosa 3	3	4 8	305	21 850	817
Breezy Hollow Farm Lucky18	3	5 2	305	21 385	812
Max Isenberg Dara	3	5 6	305	21 745	805
Carrie	3	3 7	305	19 911	783
Harold N Book 51	3	4 10	305	21 609	793
Joseph M Mcmath Cookie	3	3 3	305	17 758	788
Willard J Yoder 153	3	6 2	305	22 946	787
Gerald E Mcmath JJ	3	6 0	293	21 179	783
Rita	3	3 2	305	18 155	761
Sidney R Ormsby 43Kappy	3	4 10	305	18 086	779
Terry & Cathy Eutzy 16Conni	3	7 6	305	17 615	779
Sangrey Bros 71Kim	3	5 8	305	12 483	776
Samuel K Byler 137	3	4 5	305	20,400	776
J Frederick Kyper Mabelle	3	5 4	305	22 074	769
Howard & Nancy Wiggin 39Beryl	3	3 2	305	21 504	758
Branstetter Farms Notail	3	0 0	305	19 950	758
Dean E Varner Alison	3	4 0	305	22 930	755

CARROLL-BALTIMORE DHIA
March, 1985

Maple Lawn Farm, Inc , Fulton, MD, had the herd with the highest average for the month of March, according to figures just released by the Carroll-Baltimore Dairy Herd Improvement Association

During the month of March, 121 dairymen in Carroll-Baltimore Counties participated in this program Listed below are the top ten herds based on their herd averages over the past year

Maple Lawn Farm	160	19,601	727
Harry W Roach, III	67	18,726	724
Flint Hill Farm	59	19,440	720
Marlin Hoff	361	19,788	715
Barnes and Wilhide	59	18,262	715
Del-Myr Farm	65	18,993	711
Unicorn Associates, Inc	97	17,484	691
Robert E Prigel	70	17,646	665
F Lindsay Wilson	80	18,519	664
Billy Nelson	98	17,447	653



The Dairy Business

By Newton Bair

"The Silent Partner"

This is an epistle to the 'Man that Thinks he Runs the Farm.' That's just about every macho male who calls himself a farmer, including myself. If he wants to allow his partner to read this, it's OK by me. Only he had better read it first, and cross out anything that doesn't fit.

Nearly every dairy farmer I know has a partner in the business, even if there is no legal document called a partnership agreement. The partner I'm talking about is usually female, and is addressed as 'Honey' or the 'Missus.'

She keeps the house, the kids and the books, pays the bills, shops for groceries and overalls, subs for the hired man, and in all emergencies, she is the main Gopher (go-for?). She understands all this, even if it's not written down. So does the other partner, sometimes called the 'boss.'

This kind of partnership is the best kind there is, and needs no legal attachment other than the marriage vows. In most cases, it is an ideal arrangement for everyone concerned, and should not be changed, except to even up the load occasionally. It's only when the load gets lopsided that this kind of partnership begins to totter and sway and exhibit all kinds of nervous symptoms.

Skip the details that spell out who-does-what on the farm. The most burdensome thing that sometimes gets shoved onto the Silent Partner is the responsibility of worrying about paying the bills. Not always, mind you, the boss does his share of worrying too, but many times 'Honey' takes the worry right down to the wire with little room to spare. Boss is too busy shoveling, plowing, or wheeler-dealering to worry that close to the deadline.

The saddest examples of that kind of partnership are the ones where Missus does all the worrying, pays the bills or at least tries to, and copes with that constant wonderment of "is there enough there to pay them?" Boss is much too busy to keep track of such details.

He's running the business, running to the mill, running around the barn, running after the heifers, running, always running. Any additional duty like worrying about bills would probably send him running to the funny farm. Honey keeps the books, if any are kept, so she has developed the proper timing and has the real knack for that kind of worry.

Lest you think that I'm being facetious, you can be assured that this is a serious matter, and is more common than one might think. All too often, the right hand doesn't know what the left hand doeth. The boss incurs the bills and the Missus pays them, and never the twain shall meet. And when the bills incurred are bigger than the bank account, the only recourse is a conference with banker or creditor, either of whom needs good answers in lieu of ready cash. That's often where the partnership friction begins.

Now, right here is where you can decide whether to let your silent partner read this. If none applies to your business, go ahead, show it to her. But if you can see even a little bit of yourself in the description of the boss, you'd better hide this issue, and then take a good look at your 'Honey.'

See whether you can do something to even up the load of concern and worry that should be share-and-share alike. A family conference right after breakfast, when Honey does the books, might go a long way to help strengthen the partnership, financially and socially.

Discuss where you are, where you are going, and how you are going to get there. And most of all, try to agree on whether the road you are now on will get you both there in good shape. If there is any doubt, you may have to back up and take another course.

Wheat, barley loan rates

WASHINGTON — The U.S. Department of Agriculture today issued county loan and purchase rates for 1985-crop wheat and barley based on the national average rates announced earlier of $3.30 per bushel for No. 1 grade wheat and $2.06 per bushel for barley graded No. 2 or better.

Adjustment of state and county rates reflects factors such as prices received by farmers and production and consumption trends, according to Everett Rank, administrator of USDA's Agricultural Stabilization and Conservation Service.

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Yields for irrigated corn

NEWARK, DE. – It may seem a bit late to discuss the topic of irrigated corn populations, but since there's still irrigated acreage to be planted, reading this may be of some benefit.

My experience during eight years of extension work indicates that growers don't pay enough attention to final corn populations. In fields where there are obvious population problems, it's important to analyze the reasons for your lack of success.

Since coming to Delaware, I've talked with several irrigated corn growers. The discussion always comes around to the point where they express dissatisfaction with their yields....compared to what they expected to get when they bought their systems.

During these discussions we've covered points such as irrigation scheduling, variety selection, planting date, nitrogen management (fertigation–some producers still haven't adopted this practice) and other fertility factors.

I've also asked growers what their final populations were. One farmer said he wasn't sure. Another thought that 22,000 to 24,000 plants per acre had given him the best yields. Still another farmer indicated that 23,000 plants per acre had been his best population. Other irrigated corn growers tell me they're getting a 27,000 to 28,000 final plant stand.

So who's right? Most corn research indicates that a half-pound ear per plant at 15.5 percent moisture is ideal and a good indicator that water and fertilizer were not limiting. A half-pound ear would contain 80 percent shelled corn by weight or .4 pounds of grain per plant. If you're producing less than this, fertilizer or water may be limiting yields. If you're producing more than .4 pound of grain per plant, you may not be using enough plants per acre.

If you're aiming for 200 bushels of dry corn per acre, you should be using a variety that will tolerate populations of 28,000 plants per acre. The variety should be able to stand at these populations. This plant density will give you the ideal of .4 pound of shelled corn per plant at 15.5 percent moisture. If you're already planting this population and getting less than 200 bushels per acre, moisture, fertility stress or variety selection may be the culprit.

The irrigated farmer with 23,000 plants indicated he was averaging 165 bushels dry corn per acre. This comes to an average of .4 lbs. of shelled corn per plant. He may have chosen a variety which doesn't have the potential for producing more under higher management. Selecting a hybrid that will give your desired yield potential at higher populations is important.

An even distribution of plants down the row is a must. You can have 28,000 plants per acre, but if half of them are doubles, the effect on yield won't be the same as if they were evenly spaced. A common cause of poor plant distribution is high speed planting.

Take the time to calibrate your planter, too. If 90 percent of the planted kernels produce plants, to achieve a population of 28,000 plants per acre you must drop about 31,000 kernels per acre.

On 30-inch rows the average distance between seeds should be about 6.75 inches to attain this seeding rate. On 36-inch rows, the average distance between seeds should be about 5.6 inches.

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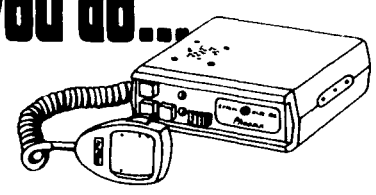

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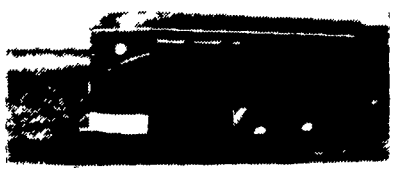

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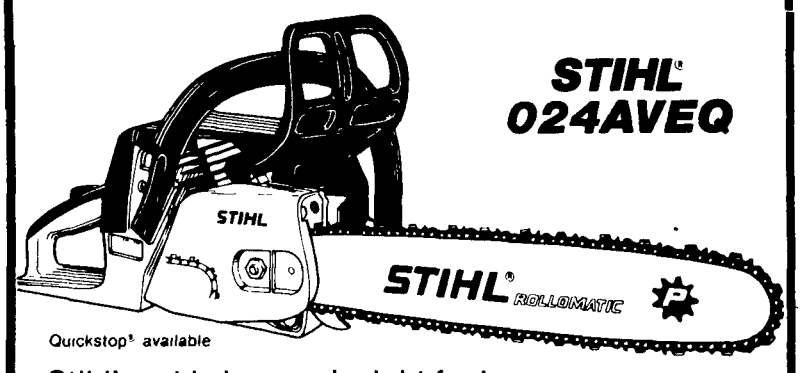

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HARRISBURG — People interested in the growth and development of rural areas can increase their knowledge of public concerns or their skills in working with individuals and groups by participating in the Pennsylvania Rural Leadership (RULE) Program.

The RULE program has been developed to help such people understand problems in public policy and increase their skills in group dynamics, analytical thought and leadership. It can increase understanding of how organizations function and how government is involved in resolving these issues

RULE brings together the resources of The Pennsylvania State University, College of Agriculture, Department of Agricultural Economics and Rural Sociology, Community Affairs Section, and those of the private and public sectors in Pennsylvania.

If you are 25 or older, you may qualify for RULE, which requires a 33-day commitment over a two-year period.

In the first year, participants concentrate on local and regional problems

In the second year, public problems will be analyzed in national and international contexts. The program will conclude with a week-long seminar in Washington, DC.

Participants may be farmers, bankers, homemakers or librarians, but each must have a commitment to public involvement in decision-making regarding land use, energy, water and economic development.

A fee of $400 over the two-year period will be used to help defray the cost of the $5,000 scholarship necessary for each person to participate

Thirty-five applicants will be chosen from various regions to ensure geographic representation of the entire state. Those not selected may reapply in later years

The application forms, due June 30th, are available from the Cooperative Extension Offices

Lebanon sheep payments

LEBANON — Lebanon County's sheep growers received $6,210.93 for their 1984 sales of shorn wool and unshorn lambs, according to Frank Reist, Jr., Chairperson of the Agricultural Stabilization and Conservation Service. In 1983, wool incentive payments totaled $4398.26.

ASCS issued wool payment checks to 38 local farmers on April 10th.

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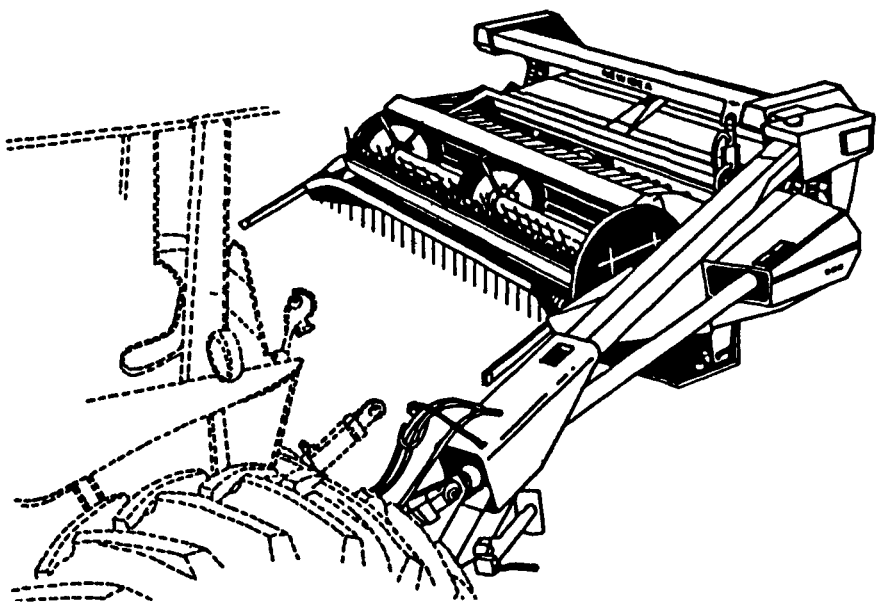

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Baking soda, limestone neutralizes Adirondack Lakes

ITHACA, NY – Baking soda and agricultural limestone--one a simple household product and the other a common farm substance--are being dumped into fishless lakes in upstate New York by Cornell University scientists.

The reason: to neutralize the high acidity of lakes the way that antacids soothe upset stomachs.

The result: some lakes are beginning to teem with fish again after having been dead and still for several years because acid rain had made them too harsh for fish.

"Lakes dying from acid rain is a serious environmental problem in the northeastern United States," says Carl Schofield, a fishery biologist in the New York State College of Agriculture and Life Sciences at Cornell and one of the researchers liming lakes.

"The Adirondack Mountains region of New York is considered one of the most severely impacted areas with about 200 lakes completely devoid of fish, and many others slowly losing their fish populations."

Schofield, with co-worker Steven Gloss, has been dumping tons of agricultural limestone into ten lakes and then restocking the waters with fish. In the meantime, James Bisogni Jr., associate professor of environmental engineering at Cornell, has been using baking soda--sodium bicarbonate--for the same purpose.

Both teams of researchers acknowledge that their strategies won't solve the acid rain crisis. They may, however, provide interim management strategies for reducing the acidification of some lakes in the Adirondack region.

Acidity is measured on the pH scale, with values from 0 to 14. Neutral substances have a pH of 7; as the number drops, each unit represents a tenfold increase in acidity.

Lakes that are neutral in acidity or are slightly acidic (pH 6 or 7) are perfect for supporting healthy fish. Over the past several years, though, many lakes in the Adirondacks, Canada, and elsewhere quickly became very acidic from assaults with acid rain. Some lakes are as acidic as pH 4.3, almost 100 times more acidic than the average Adirondack lake was in the 1930s.

Schofield and Gloss have found that limestone has successfully neutralized several lakes that once again are hosts to brook trout. Some lakes, however, have become acidic again.

"How quickly a lake reacidifies depends on its watershed," Schofield points out. One lake, for example, reacidified just one month after receiving a limestone treatment. Another lake, which was treated more than two years ago, is still close to neutral.

In related studies, Schofield and Gloss are examining the biological responses to liming of fish, plankton, and bottom-dwelling food sources in several different kinds of lakes, all in the Adirondacks. Coordinated with Syracuse University, Clarkson College, the Electric Power Research Institute, and the General Research Corporation of Washington, DC, the studies will provide detailed analyses of how lakes and their inhabitants respond to neutrtalization and then to eventual reacidification.

Although limestone is very inexpensive and readily available, it sometimes settles to the bottom of a lake and is covered with sediment before it dissolves. As an alternative, Bisogni has been using baking soda, which is commonly used in baking and as a teeth whitener and odor fighter. It dissolves rapidly and completely, and is easy to handle.

Bisogni's team dumped 14 tons of the stuff, donated by Arm & Hammer, from a boat into Wolf Pond, a "typical" 50-acre body of water tucked in the Adirondacks of northeastern Franklin County. Before application, the pond had a pH of 4.5. Within days, acting like a giant tablet of Alka Seltzer, the baking soda dissolved and reduced the acidity to pH 6.9.

"We now know that baking soda works in neutralizing a lake," says Bisogni. "The question remaining is how long the lake will remain neutral." He will monitor Wolf Pond this spring, although he suspects that the spring melt of "acid snow" probably will adversely affect its pH.

There is no doubt that baking soda is a much more expensive route to preserving the fish in affected areas. Bisogni is optimistic, however, that if baking soda proves to be a far superior agent to limestone, Church and Dwight, the parent company of Arm & Hammer, will be able to sell it at a more competitive price because of the large quantities needed.

In the meantime, the Cornell scientists will continue to learn as much as they can about neutralizing endangered lakes while the nation's policymakers seek long-term solutions to the acid rain problem.

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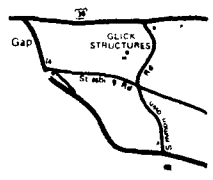

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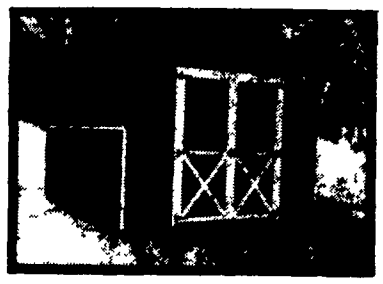

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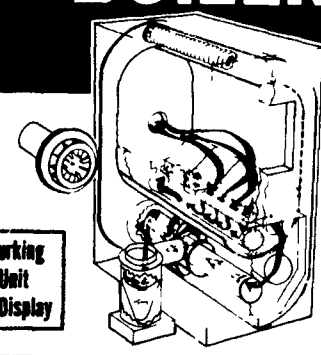

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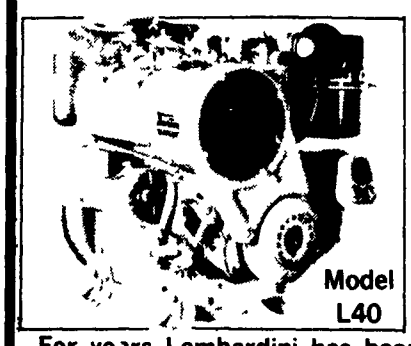

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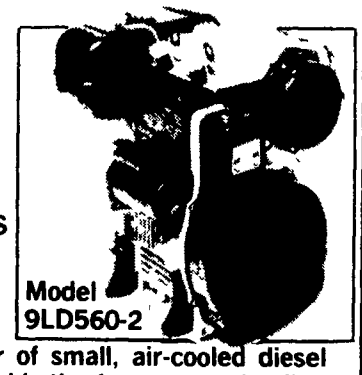

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USDA to survey Pa. crops, livestock

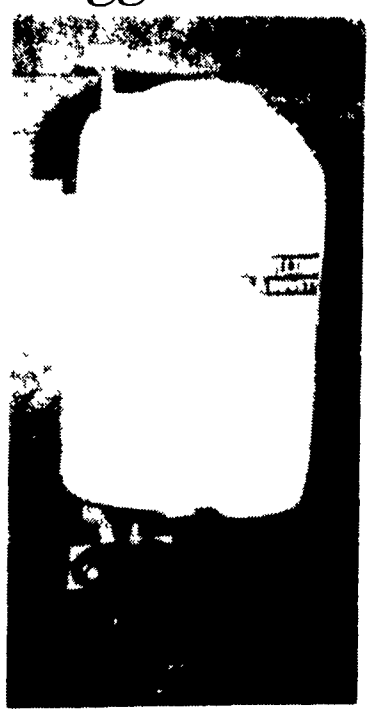
HARRISBURG – The Pennsylvania Crop and Livestock Reporting Service announced that Pennsylvania farmers will be asked to participate in a nationwide survey during late May and early June. Information obtained in the survey will be used to develop estimates of 1985 crop acreages and mid-year livestock numbers.

"All individual information is confidential and used only in developing official national and state estimates," according to Wallace C. Evans, State Statistician. He noted that concerns about cost of production and returns from farming are weighing heavily on farmers' plans this year. "These uncertainties highlight the need for acreage and livestock information producers can depend upon," he said. "Farmer cooperation on the survey is the key to developing accurate estimates," he added.

Representatives from the Crop Reporting staff will interview a cross section of farmers, and questionnaires will be mailed to others, to gather data for the estimates. National and some state estimates will be published by USDA's Crop Reporting Board. A report on 1985 crop acreages will be available on July 10, including estimates of yield and production for several major crops. Estimates of hog and pig numbers will be released on June 21, and cattle numbers on July 22.

For more information contact Mr. Evans at (717) 787-3904 or write Pennsylvania Crop Reporting Service, 2301 N. Cameron Street, Harrisburg, PA 17110-9408.

Piggli Bowl



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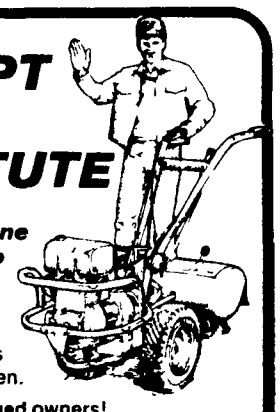

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Penn Ag holds grain meeting pesticide seminar, June 24

EPHRATA – PennAg Industries Association will hold its annual Grain Meeting June 24th at the Lancaster Conestoga Inn beginning with dinner at 6:15 p.m.

The featured speaker will be Dr. Kendall Keith, vice-president of The National Grain and Feed Association in Washington, a professional economist.

Earlier the same day, PennAg will be sponsoring a pesticide recertification workshop. The workshop will begin at 10 a.m. and end at about 4:30 p.m. and will include lunch.

Speakers for this workshop will be Bill Griffith from Pestcon Systems, Inc., and Dick Kemmerling of Chemical Systems, Inc. Individual sessions will provide attendees with an update on the status of liquid fumigants, pesticide legislation and regulation, possible replacements for malathion, control of insects using pheromones and insect growth regulators, grain fumigation and application techniques, and new products designed for insect control.

Registration fees for these meetings are $10 per person for the Grain Meeting and $13.50 for the Pesticide Recertification Workshop.

Washington County DHIA

WASHINGTON, PA – The Washington County DHIA recognized several outstanding producers at their Annual Banquet by presentation of the following Awards

- **DAIRY DEVELOPMENT AWARD** to Edgar Pryor for improving his herd average by 499 pounds of milk per cow to 17,852 The Award is sponsored by Potomac Edison
- **MILK PRODUCTION AWARD** to Arthur Rhoderick for his Art Acres Elevation Cola for producing 26,790 pounds of milk (789 lbs Fat) in a 305 day lactation
- **FAT PRODUCTION AWARD** to Lewis Lehman for his grade Holstein "Nel" for producing 1,077 pounds Fat (22 230 Lbs Milk) in a 305 day lactation
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- **DAIRY MANAGEMENT AWARDS** to a herd over 70 cows presented to Harry Frey & Sons, to a herd of less than 70 cows to John and William Schnebly These awards are sponsored by Ralston Purina Company and Vigortone Sales respectively
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For Sale - AC disc model 2600, 24' wide, very good condition, $3,900 717-866-4280

For Sale - 5 ton galvanized feed bin, good condition. 717-362-9233

For Sale - Top buggy, 6 volt lights, on steel. $550. John Martin, R1, Box 201, Denver, Pa 17517 at Fivepointville

For Sale - (2) M-M Uni-Tractors w/picker-sheller units; Model LD combine to fit same, $1,000. everything. Columbia Co. 717-752-7097

For Sale - 2 adult castrated male goats, $50 each Northampton Co. 215-691-3505

Wanted - Farmall Super C, 200 or 230 w/fast hitch and cultivators Also 10 feeder steers, 800 lbs Lanc. Co. 717-872-8074

For Sale - Seasoned tree tops-woods Someone w/equipment to skid and haul Interested bids after 6 p.m. Bradford Co. 717-537-2897

For Sale - Oliver 35 combine, 10' cut, self propelled pickup reel, $1,000. Lycoming Co. 717-433-3459

Wanted - Rear tractor tire 14.9x24 in good condition. Dauphin Co. 717-692-2443

For Sale - HG Crawler Cletrac, excellent condition; Tractor tires, 12.4x36. Walter Kowal, R.D.2, Goshen, NY 10924. 914-258-4393

For Sale - 1982 and 1984 AQHA stud colts. 1976 AQHA Mare. Poco Shade, Skip Sioux, 3 bars breeding. Centre. 814-355-4215

For Sale - Large # of fence post, 15'x4" swimming pool, large dog house, chain saw, 6' disk. Talbot Co. 301-364-5447

For Sale - IH hay conditioner, model 2A V G.C., best offer. Camden Co., NJ. 609-561-4618

Wanted - Sprockets for Terratrac crawler GT-25 or GT-30, part no 11857 DE 302-239-7363

For Sale - JD 1 btm. mounted left hand plow, cultivators for JD L or LA tractor Harold Mansberger, Box 74, Gardners, Pa. 17324

For Sale - IH 46 baler, good condition, $300 Lanc. Co. 717-354-7257

Wanted - JD mounted R & L 16" plows, fits model B. Westmd. Co. 412-238-5582

For Sale - Nubian and Alpine Doe kids and milkers, Nubian Buck also. Reasonable prices Berks Co. 215-689-9895

For Sale - Lawn Boy Mowers, new in the box, $250. each. Albert Wible, Hustontown, Pa. 717-987-3755

For Sale - Wheel weights for AC model D-12 Warren Co., NJ. 201-454-9920

For Sale - 94 acres, 41 acres farmland, balance woodland, Juniata Co. along Rt. 35. Price reduced. 717-436-2676

For Sale - NH #8 forage wagon, good, $2,100.; NH #450 mower, good, $600. Union Co. No Sunday Calls. 717-922-1135

For Sale - IH 544 tractor, engine runs good, on steel wheels. Lanc. Co. 717-354-5115 evenings

For Sale - 6' Ford #917 flail mower, $600.; Farmall 200 wide front-end, good rubber, rebuilt, $700. Centre Co. 717-364-1067

For Sale - 2 bee hives; McDonald's jack pump 2" pipes w/cylinder wooden rods; 30" reel mower; raspberry plants. Lanc. Co. 717-859-3926

For Sale - NH thrower, model 58, almost like new. Paul A. Beiler, R.D.3, Stoney Hill Rd., Quarryville, Pa. 17566

For Sale - 175 MF, diesel, good rubber, good condition; Hereford heifer, 600-700 lbs. Lanc Co 717-738-2258

For Sale - Black plastic ¾" pipe 400' roll, brand new, $50., 40" electric range, $30. Lanc Co. 717-656-7045

For Sale - JD 10" hammer mill, belt driven w/dust collector bagger off. $125 Lanc Co. 717-665-4170

For Sale - Brillion 5' seeder, 3 pt., $450., 1977 Ford F250 pickup, $1,500. Lanc Co 717-786-3134 evenings

For Sale - 32' Zimmerman elevator. Elmer Zook, R D.1, Box 129, Drumore, Pa 17518. 3 mi. S of Buck, Isceola Dr.

For Sale - 1968 JD 4020 diesel tractor, WF, PS, PB, 107 h.p., $7,800 Good Condition. Montg. Co. 215-754-7387 eves.

For Sale - 1 yr. old male Mute Swan, $200. F. Rice Blain, Perry Co. 717-536-3241

For Sale - NH 489 haybine, used 1 yr., good condition; NH 256 rake, like new. Lanc. Co. 717-653-9042

For Sale - New 18.4x26, 10 ply tires, $100. each; MF #45 hydraulic reset plow, 3pt. hookup Cumberland Co. 717-776-6242

For Sale - JD 30 bale ejector; NH 1010 stackliner, auto. bale wagon. Lanc. Co 717-626-2866

For Sale - AC mower 80 R belt driven, can be used on WD-45 or D-14-15 or 17. Lanc. Co. 717-626-7665

For Sale - Myers metal lathe 11" swing, 36" between centers; Dewalt 10" radial arm saw. Lanc Co 717-733-6698

For Sale - Girton 500 gal D-2 milk tank w/compressor; Klenzade 1600 tank washer Will sell separate. Nor thumberland Co. 717-286-7907

For Sale - IH 91 S P combine, 8½', $795, Century sprayer, trailer, 6 row, 275 gal. tank, $295 York Co. 717-755-1187

For Sale - 4 can milk cooler, good, $100., VE4 engine, $150. Abram F Stoltzfus, 130 Locust St, Leola, Pa. 17540

For Sale - 9 yr. old work horse, good worker. Elam Stoltzfus, R.D.3, Box 78, Quarryville, Pa. 17566 Haiti Rd

For Sale - MH 82 combine, 12' grain head, clover screen, new drive belt, field ready, $800. Berks Co. 215-683-3094

For Sale - Black Wilson soybeans, good for hay or silage. Salem Co, N.J 609-935-8584

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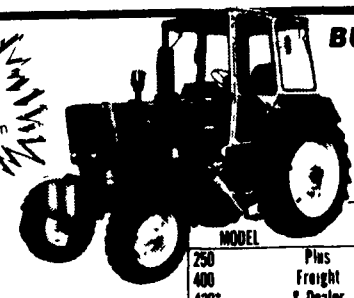

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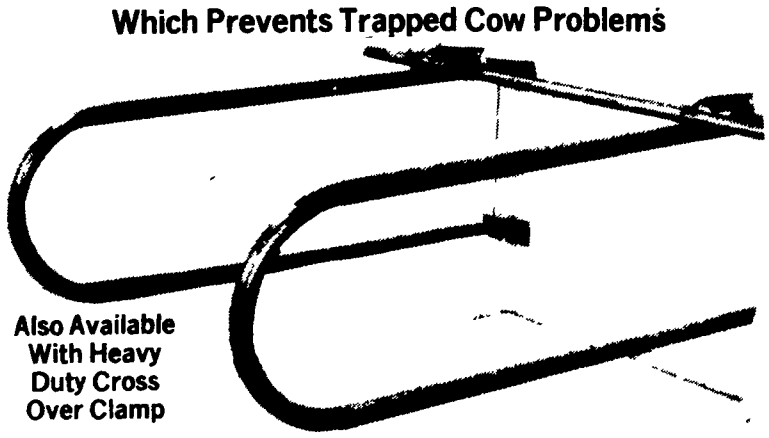

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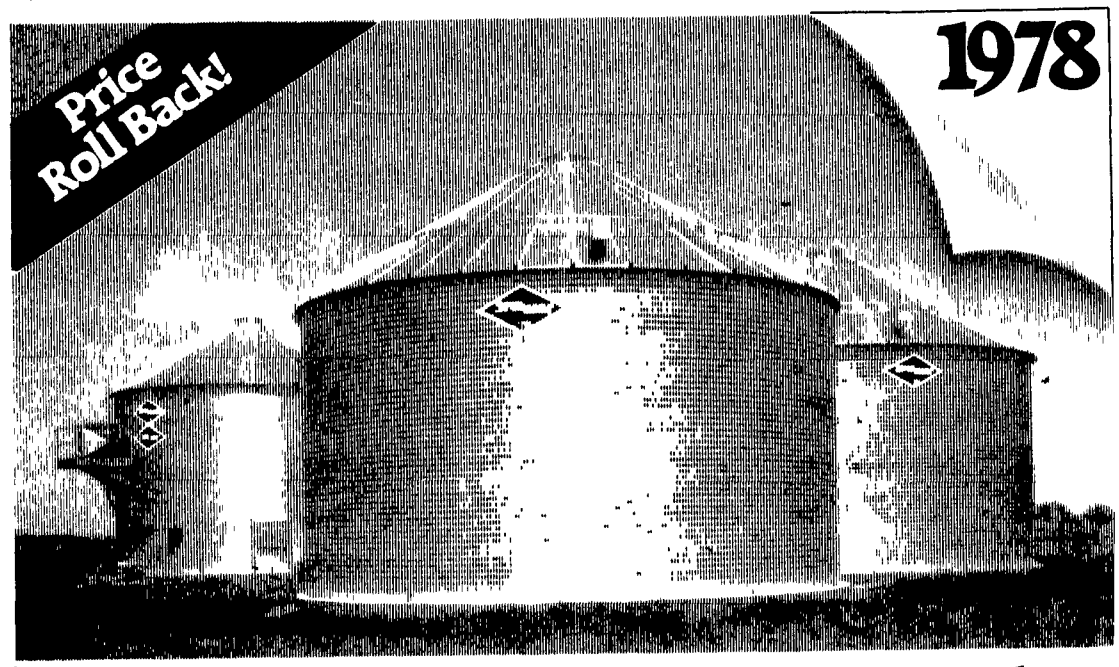

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For Sale - '77 Ford Granada, 2 door, V8 w/OD, A/C, power steering and brakes. am/fm stereo, $2500. Adams Co., 717-528-8428.

For Sale - AC B w/snow plow, hyd, $1100 Parts for 1949-1953 Chev pick up truck lanc Co., 717-285-5208

For Sale - 1981 Plymouth, 15 passenger van, AT, PS, PB, AC. Zimmerman, Berks Co., 215-682-7951

For Sale - Tires, new, Goodyear, 6 ply, 12.4x24, mounted on new 4 lug rims Carroll, 301-795-4262

For Sale - Hay wagon, 16' long w/8' sides & wooden bed Good condition, 5 yrs old, $800. Chester Co., 215-827-7125

For Sale - JD M T tractor w/new rear tires, cultivators & plow w/only 1812 hours for $1600 Dauphin Co., 717-566-8944

For Sale - Bay mares, 11 & 4 yrs old. $500 pair Western saddles, horse & pony, $50 - $450 Lanc Co., 717-653-5327

Wanted - Old Dutch cupboard, or corner cupboard, will pay extra $$ for extra nice. Box 21, Lititz, Pa. 17543. 717-626-7854

For Sale - 1974 Ford 1000 diesel tractor w/60" mower, also 2 Ontario grain drills, disc & hoe. Adams Co 717-528-4914

For Sale - Hay tedder, PTO, Niemeyer, good shape. 717-354-0182

For Sale - NH 479 haybine, good working condition, $2,500, 3 pt. ground scoop, $50, Danner Bros York Co 717-637-3591 or 637-8260

For Sale - Buggy horse, reg standard bred, 12 yrs. old, best offer. Mike Fisher, R.D.2, New Holland, Pa. Lanc. Co 717-687-6801

Wanted - Power steering setup for Farmall 300 row-crop, Also want power sharpener for NH 770 harvester Berks Co 215-683-6431

For Sale - Purebred Texas Longhorn bull, red and white spreckled, weighing 1,000 lbs, 42" horn span Franklin Co 717-532-6029

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For Sale - Case thrashing machine (self feeder), McCormick Deering hay loader (heavy duty), 2 walking plows. York Co 717-766-6011

For Sale - JD combine 6600, hydrostatic drive w/14' grain platform, $13,000. York Co 717-229-2548

For Sale - 666 IH diesel, WF, gear drive, good condition. $6,700 Cumberland 717-776-3363

For Sale - NH Super 77 baler w/PTO drive, $200, Ford 134 engine block, crank and head. Juniata Co 717-694-3095

For Sale - NH 469 haybine, 9' cut, runs good, $1,950. Berks Co. 215-944-9267

For Sale - 1979 Dodge pickup, cab and a half, cap, auto., PB, PS, $3,200 Glouc. Co., N J 609-629-4496

For Sale - 4 yr old general purpose mare, broke and sound, registered Holstein bulls. 717-354-9370

For Sale - 30 horse Perkins diesel engine, good for skid loader Lanc Co 215-445-6483

For Sale - Double set of fancy pony harness w/collars and alum. hames, $500, single set of horse harness, $125 717-442-4259

For Sale - Storm front carriage w/hydraulic brakes in good condition Eli B Stoltzfus, Bird-In-Hand, Pa 17505 717-656-9605

For Sale - 2 corn fed steers about 1,000 lb; 9'x6½' garage door, $15 York Co 717-244-9042

For Sale - JD 1209 haybine, A1 condition, B414 IH diesel, 35 h p, 6 farrowing crates Lanc Co. 717-354-2055

For Sale - 1980 Moped in good condition or will trade for rear tine rototiller of equal value. 717-374-4246 after 4

For Sale - Ironrite 46 ironer, $50, NH #8 crop carrier rear unloading wagon, $400. Both good condition Cecil Co 301-658-5712

For Sale - Dion wagon/roof, almost new, $4,900., 710 Uni combine, $1,500/best offer Cecil Co, MD 301-658-5023

Wanted - Fifth wheel under carriage, suitable for hitch wagon, must be restorable Also foot seamens for tin roofing 804-293-9012

For Sale - Small 1 pt fast hitch 130 IH tractor w/1 row cultivator, single plow Leb Co 717-865-6585

For Sale - AC 160 loader/backhoe, $3,700, 900x20 tires on Dayton wheels, ¾ tread, $50 each Perry Co 717-582-8171

For Sale - 1925 Fordson tractor w/coil ignition Running condition, $550 717-362-8367 after 4 p m Dauphin Co

For Sale - JD model M, WFE, good condition, power take off, $1375 N J Warren, 201-362-8964

For Sale - NH 3 pt 450 mower, $675 MF 36 5 bar rake, $295. NH 68 baler, $695 717-354-0266

Wanted - Bulk tank 600 gal & dumping station, 38' or 40'. Ammon Martin, RD4, Box 482A, Ephrata, Pa 17522

For Sale - Apartment size electric washer, excellent condition, $15 717-284-4566, Lancaster Co., Pa

For Sale - Chihuahua-Terrier female pup, $25 12 year old walking horses (one registered). $800 or $1500 both Lanc Co., 717-665-2561

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For Sale - New Michelin steel radial, 8 25x15 load range G, split rim, $100 4 Alum Corvette wheels Dauphin Co., 717-561-1341

For Sale - Int #35 Hay Rake, 9', 5 bar, rubber, $950 Gandy Disc mounted applicator, 10', $100 Bucks Co., 215-346-7709

For Sale - 1973 Ford 900 Louisville Triaxle 22' frame, 73280 GVW, power steering. Adams Co., 717-677-8240

For Sale - 2000 pd Hyster Forklift, good condition, $3,000 firm 717-334-0400. Ontario Grain Drill, 16 drill, $695 Adams Co., 717-334-0349

For Sale - JD 1240 4 row corn planter in good condition Cecil Co., MD 301-658-4403

For Sale - IH 560 diesel, rebuilt engine, new torque Ear Corn 814-364-9926, Centre Co

Wanted - Old signs, books, magazines, certificates, deeds Any old paper goods Check barns, attics Write 2264 Nicholson, Lanc., Pa 17601

For Sale - 4 Bou-Matic milkers 4 DeLaval buckets Bou-Matic timer controller, 2 row, 3 pt. cultivator, $250 Franklin Co., 717-532-3989

For Sale - 2 NH #8 Forage wagons w/3 beaters & roof. Real good Cumberland Co., 717-258 6414

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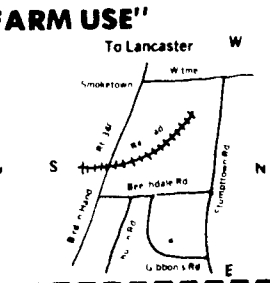

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For Sale - New Osborne pull moyer 5' blade complete, $100. Disk Z sections real nice, $150. Berks Co., 717-933-8105.

For Sale - Badger 360 cleaner unit w/18" chute, 16' long chute, 6 mo old. $400. Cumberland Co, 717-258-6639.

For Sale - 18" & 20" English flat seat saddles, Thoroughbred racing saddle, $85 ea. Hard hat, $8. York Co, 717-938-5273.

For Sale - 4-1200 16 5 tires w/solid steel rims, 8 hole, for ¾ ton trucks, 20% tread. $70. Luzerne Co, 717-333-4803

For Sale - 3 pt. culivators JD & Ford, $200 each Culivator for E3 Co-op, $50 Cumb. Co., 717-766-6758.

For Sale - 10' 252 white disc. cyclo 400 Int air planter. Owatonna 440 Skit Loader, all good cond Cumb. 717-258-6010

For Sale - Good used 2,000 gallon tank Cheap. Before 8 a m or after 8 p.m., Adams Co, 717-677-8837

For Sale - Chev Suburban rear bumper Perfect, $35. York Co, 717-993-2848.

For Sale - #30 JD pull type combined PTO and bin, in good condition $300 Baltimore Co, 301-357-4214.

For Sale - JD M T. tractor w/2 row cult, 2 row corn planter, 2-2 bottom plows Berks Co., 215-682-6429, $3500. for all

For Sale - 81 King Cab Datsun Diesel, 24,000 mi, $4,200. Rototiller, 5 hp, front tines, 4 attachments, $180 Lanc. Co., 717-627-1627.

For Sale - Martin 180 bushel gravity bin w/6 ton chasis in A-1 condition $575 Montour Co, 717-275-2529.

For Sale - Cool your produce w/this Thermo King unit, diesel powered, $1,200 Union Co, 717-966-3964

For Sale - Good pet or watch dog AKC Rottweiler, female, 4 yrs Very good w/children, $150 Lanc. Co, 215-445-4000.

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For Sale - 12'x60 2 bedroom mobile home w/10'x20' addition Nice condition Must be moved $5,000. Lanc Co, 717-665-7366

For Sale - Farmall A and H w/cultivators Cultivators, plow, grader blade, sidedresser for Super A-V and Cub Salem Co, 609-358-8625

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For Sale - Roasted Soybeans, can deliver, 15,000 lb. Gooseneck grain dump & cattle trailer, excellent condition. Dauphin Co., 717-564-0579.

ited - AC crank shaft for 426 cu. 6 cyl. Diesel for sale, 5' 3 pt. Brillion Seeder, $700. Bucks Co., 215-598-7546.

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For Sale - 856 International diesel wide front end and cab. $7,500 After 7 pm, 717-538-3185 Northumberland Co

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Wanted - Lockwood Potato Harvester, 4 row planter, washer, grader 105 JD combine, $3,000 Also, 15 ton dump body, 609-448-0748.

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For Sale - Male Shetland Collie, 11 mo. old 5 Calf hutches in nice shape, $50 ea. Lanc. Co, 717-665-7284.

For Sale - Round out side feed bin, 5 or 6 yon, $450 Wanted: Mini bike, good cond Lanc Co., 717-733-7274

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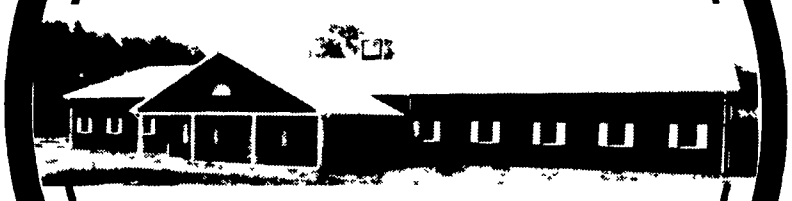

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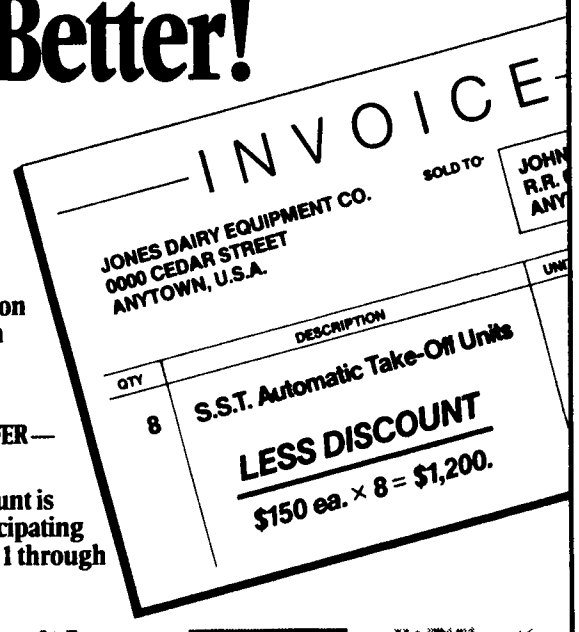

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MAILBOX MARKET

For Sale - No. 245 pull type IHC 2 row corn planter w/fert. Berks Co. 215-926-2233.

For Sale - 13 tooth Ford chisel plow; JD grain drill, 15' York Co. No. Sunday Calls. 717-292-3030.

For Sale - JD 7000 no till planter, monitor, markers, HD coulters Farmer owned. York Co. 717-292-2573.

For Sale - Stonecrusher Eisensmith RD1, Mt. Wolf, PA 17347 717-266-2982

For Sale - AC 4-30" row no-till corn planter, dry fert, insect., good condition York Co eves 717-235-1825

For Sale - Polled Hereford Bull Service Age Good Stock, Clean Timothy and mixed clover and Timothy hay York Co. 717-292-6275.

For Sale - 56 IH 4 row corn planter w/insectiside, $775. JD rotary mower, 3 blade, $300 Franklin 717-532-8236.

Notice - Free to good home, Female St Bernard, 3½ yrs. old, very loveable, needs room to run. Berks Co 215-678-9431.

For Sale - 6 week old AKC Buff Cocker Spaniel puppies, $75. Lanc Co 717-665-6647.

For Sale - Farmall H tractor, good condition, 1 new rear tire Berks Co 215-987-3113 after 4PM.

Wanted - Surge Jet flow milker shells. 717-264-6007

For Sale - IH baler 27 w/10 thrower, good condition. Always housed Col. Co 717-799-5426.

For Sale - Sprouted PA Tobacco Seeds. Amos F Beiler, 153 Mine Rd., Paradise, PA 17562

For Sale - Sheep, lambs, rams & ewes, $45 each Berks Co. 215-856-7372

For Sale - Sweet potato sprouts. Five different kinds. Samuel L. Stoltzfus, R2, Box 157, Quarryville, PA 17566

For Sale - Ferguson 3 pt equipment hay rake and sickle bar mower. Also yearling Charlois bull. York Co. 717-229-2530

For Sale - Sawed locust posts, fence boards woven & barb wire fencing, steel & fiberglass posts Lanc Co 717-442-8972

For Sale - IH 51 forage wagon, 3 beater, very excellent condition 717-653-5663

For Sale - 4 yr. old work horse, lots of snap. Amos S Stoltzfus, Beechdale Rd, Bird-in-Hand, PA

For Sale - Nanny goat & 2 kid nannys, one mature Billy. Alpine-Nubian crossed. York Co 717-456-7196.

For Sale - New 10T wagon gear; NI side delivery rake Lanc Co. 717-442-4510.

For Sale - Antique Gruber farm wagon, high wheels w/slant sides, good condition, $400 or Best Offer. Berks Co. 215-445-6498.

For Sale - Chicken Equipment Roll-away nest w/automatic belt gathers; Israel water fountains, feed trough w/chain, feed bins. Lanc Co. 717-626-1857

For Sale - Jersey Bull, breeding age good for heifers. Levi S Fisher, Jr, 87A Black Horse Rd, Paradise, PA 17562

For Sale - AKC Cocker Spaniels, buff ages, from 7 yr to 3 months. Lanc Co 215-445-5134 after 5PM.

Wanted - Anytime, swarms of honey bees for empty beehives in Manheim or neighboring communities After 3:30 or Sat /Sun 717-665-3749.

For Sale - Pull type Mott hammer knife mower, 38" 8HP. $300 Model AB Wisconsin engine, $50 York Co 717-244-3415.

For Sale - Farmall Super A w/PTO, cultivators, tobacco hoers, excellent running condition, good rubber, $2,200 Lanc Co 717-464-2537

For Sale - Standardbred mare, 12 yrs old, sound, lots of snap, $400 Lanc Co 717-665-6546

Wanted - Disc opener, unit for AC corn planter, 3½" square frame Perry Co 717-567-3670

Wanted - Snowmobile trailer, single or double York Co. 717-938-6422.

For Sale - Surge Alamo 100 vacuum pump, direct drive, 5 5 motor, real good condition. Franklin Co. 717-264-6007

For Sale - New 8 & 10 ton wagon gears, $450 & $565 New tires 11L 8 ply Ivan Hoover 717-354-0595

For Sale - Portable air compressor w/motor, 16' grain elevator; ScourKeen for JD combine; 3 pt. cultivator. Berks Co 215-683-5269

For Sale - 1948 JD D tractor, motor completely rebuilt, partially restored, good tires Many new parts, $800 North'd Co 717-758-3108

For Sale - Equipment for Ford 8N tractor, cultivator, $195; 2 bottom plow, $150; sickle bar mower, $225 Montgomery Co 215-754-7366.

For Sale - 100 seasoned locust posts, 7½' long, $2 Old license plates, 1922, 1927, 1928, 1929 Cumb Co 717-776-3084.

For Sale - Anyone interested in tearing down a 30x60 barn Please call after 5PM Make Offer Northampton Co 215-588-1047

For Sale - Arps 8' 3HP stone rake, $350 Grass seed attachment for JD grain drill, $25 Perry Co 717-834-3882.

For Sale - Massey Harris Pony tractor, new paint & valve job, good rear tires, $850. Lanc Co. 717-665-5469.

For Sale - South Bend Lathe 16x45, taper, 2 chucks 2 speed motor, $1,350. Dich Vincent, Gap, PA. 717-442-4203.

For Sale - 8 yr. old Sorrel American Saddle Horse, needs more road, $1,000. Levi King, N. Lime St, Quarryville, PA 17566

For Sale - 19½ acres, Best Offer, stone rancher, new barn, 2½ acre pond. Must see Gap, Lanc Co 717-442-4793

For Sale Farmall cub power unit off IH 64 combine, cultivators for IH M or Oliver 77 Lycoming Co 717-546-5642

For Sale - Carriage Aaron B Esh, Box 136, Christiana, PA Along Schoolhouse Rd

Wanted - Portable concrete mixer, diesel air compressor unit. Elmer S. Lapp, 3539 Scenic Rd, Gordonville, PA 17529 Lanc. Co

For Sale - IH 2 row 2 pt corn planter w/fert., good condition. Lanc. Co. 215-445-4893

For Sale - Nicholson hay tedder, good shape. Amos M. Fisher, White Oak Rd., RD1, Box 214, Strasburg, PA 17579.

For Sale - Mennonite Top Buggy, hyd brakes, rubber tires, good conditon Lanc Co. 215-267-2453

For Sale - Milk keeper bulk tank, 400 gal., 3HP compressor, 8 Grade Holstein heifers, 88-1,000 lbs. Perry Co 717-567-3772

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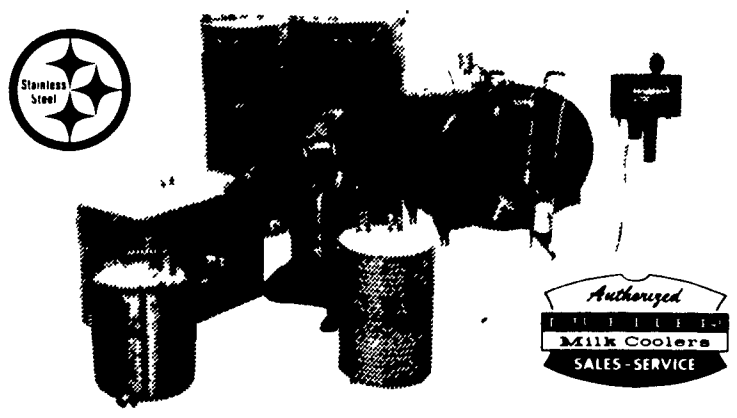

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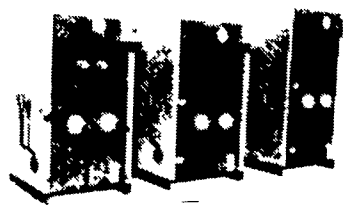

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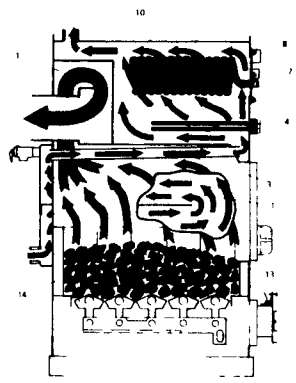

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MAILBOX MARKET

For Sale - JD 4010 tractor w/canopy, clean, wide front end, $6,500, MF 4/5 bottom plows, $400 Fulton Co. 717-294-3631

For Sale - Badger silo unloader, in working condition. No Winge, 5 horse motor, $400 or best offer. Lanc Co 717-656-9385

For Sale - Small family needs rural setting Berks Co Will renovate or farm in exchange for rent or mortgage Eves 215-327-1863.

For Sale - 1970 Ford F-700, C&C, 26,000 GVW, dependable, good condition. North'd Co. Eves 6-9 717-286-1064

Notice - FREE - Metal roofing & siding, must be taken down. Lanc Co 215-267-3808

Wanted - We have room to board horses, $60 per month Lanc Co 215-445-4667

For Sale - 20 gal auxilary gas tank, never used Fits Chevy, Dodge, Ford pickup trucks, $75 So Chester Co. 215-932-5797.

For Sale - Reg. polled Herefords, 4 heifers & 3 steers, 500 to 700 lbs Mont Co. 215-584-6975 after 6PM.

For Sale - JD R disassembled, all new parts & put back in operating condition Carroll Co After 5PM 301-374-4398.

For Sale - Sickle bar mower for JD Model M, $125. Balto. Co., MD 301-298-1536

For Sale - Premium young Charolais bull. LRK Charolais Schuylkill Co 717-668-3161 days or 717-668-0391 eves

For Sale - Crossbred feeder calves Weight 450-500 lbs. $275/head Hay $50/ton. 717-533-7051 Dauphin

For Sale - Registered twin yearling Suffolk ram Proven. 1984 champion Allentown Fair Montgomery Co. 215-584-6158 after 5 p m

For Sale - ACWD Tractor $900.00, Super 92 Combine $1,500; 254 White Disc 12' $1800. Sch Co 717-345-4015.

For Sale - Goulds Deepwell Submersible Pump-3/4 hp motor Ammon Esh HCR68, Box 16A Gratz, PA 17030 Dauphin Co

For Sale - MF65 Diesel 300 hrs on complete overhaul Good condition. 717-532-3045 Cumberland.

For Sale - JD494A corn planter 4-row, fair condition $300, JD 2-row culv., good condition $60 717-922-1864 Union Co

For Sale - 1500 Bd. Ft. of oak Boards 1" X 8½ bd. ft 717-776-3084.

Wanted - Used three point hitch cement mixer 412-254-2548 Indiana Co

For Sale - Dual wheel 5/16 automatic reset plow, Van Dale 100 silage mixed weighter / electronic scale Lanc. Co. 717-529-2109.

Wanted - Auger extension for Gehl #95 grinder mixer, For Sale-Woods straw chopper, IH Hillside hitch. Montgomery Co 215-234-8310

For Sale - Powered earth tamper, $600; 40' grain elevator, $800. 8' rotary hoe, $300. Pony Sulky, $300. 717-286-5306.

For Sale - Kenmore stove, good condition. Contact David Stoltzfus, 430 Centerville Rd., Gordonville, PA 17529 Across from Phillips Cheese Plant.

For Sale - Commercial wood chipper woodchuck, 16" cut, 6 cylinder motor, extra set of knives, $6,700 Carroll Co 301-795-5684

For Sale - 2 horse rubber tired wagon, hay tedder w/PTO Hagertown, MD 301-797-4330.

Wanted - Grimm hay tedder, cattle head gate, NH 67 super hayliner for parts Charles Bray, Box 1393, Wall., NJ 07719.

For Sale - GMC window van, 1977, runs perfect, auto trans., extra long body, 73,000 miles, $2,195. Morris Co 201-697-2910

For Sale - JD 430 utility, wide front, PS, LPTO and hydraulic, 3 pt. fenders for 2 cyl York Co. 717-432-3991.

For Sale - Alfalfa, Timothy and brome hay. Made early and good color Perry Co 717-789-3365.

For Sale - Farmall A on steel, 5-24-85 New Holland consignment sale Samuel Nolt, R.D. 2, Box 2038, Fleetwood, PA 19522.

For Sale - Red fox pups, baby racoons and mouflons York Co. 717-235-2903

For Sale - 4 registered Scotch Highland heifers, excellent cross breeding stock. Hearty, carefree beef breed. NY 914-941-7797 eves., 914-762-5555 days.

For Sale - Oliver 66 for parts, good tires. $150, F20, $100; 9N loader frame and bucket, $75 Warren Co. 201-362-8151.

For Sale - 4 Angus Charleau cross steers, 3 heifers, 700-800 lbs., 5 400-500 lbs. 60 cents/lb 215-257-2377.

For Sale - Turkey poults. Day old or started, any amount, May; also 2 row culter, 3 pt 215-257-6047 or 215-723-3040

For Sale - Old weathered barn boards. Ben Beiler, 1 mile south of Paradise on Black Horse Rd., Lanc Co

For Sale - JD A tractor, Woods 6' rotary mower, NH bale elevator, 40' 8x14 truck body. Montg Co 215-489-4620 after 5

For Sale - Int. 3 pt model 463 cultivator, 4 row wide, 1 tractor tire 16 9x34, ½ use. Chester Co. 215-269-3442

For Sale - Tom turkey, approx. 25 lbs. and goose, approx. 15 lbs., $15 neg 215-486-0467.

For Sale - 8 month old male German shepherd, $20. also telephone poles. Lanc Co. 717-656-8819.

Wanted - Help. Christian oil burner serviceperson. We will train. Cecil Co., MD area 301-398-9178.

For Sale - 30 gal. gas tank, electric pump, fits truck bed, $50; 8' camper, 48" high, $300. Cecil Co 301-398-3974

Wanted - Papec silage cutter in good cond Amos M Hoover, R D 1, Box 377-C, East Earl, PA 17519

For Sale - Colonial, waterless, stainless steel, cookware set, Singer sewing machine, 8 4'x6' linen cutting table tops Berks Co. 215-488-1268.

For Sale - 12 HP diesel Kubota G-4200 w/44" mower, 8 HP roto-hoe rear tine tiller w/shredder attachment. Berks Co 215-488-1268.

For Sale - IH engine 3, 5 HP, $350, A-1 cond Wayne Co. 717-689-2517

For Sale - Black shoulder peacock and 2 hens. Benuel B. Smoker, 703 Stracks Dam Rd. Myerstown, PA 17067.

For Sale - Antique walnut organ, electrified; antique walnut bedroom furniture w/boxspring and mattress. All refinished. Hershey 717-534-2510 after 5 PM.

For Sale - Oliver 70 tractor, new paint and good tires, good cond., $800. Steel wheels included York Co. 717-244-6794

For Sale - T.O 35 Ferguson tractor w/front blade. Schuylkill Co. 717-385-0723 after 6 PM.

For Sale - Bay mare, 14 3 hands, 13 yr. old; good mover and jumper, $900 Oxford, Chester Co 215-932-3810.

Wanted - Adjustable rear rims for CA AC tractor, also pickup for NH 66 baler. Lanc Co. 717-442-4529

Wanted - Gibson tractor, lever steering, for parts. Any conditio9n. Schuylkill Co. 717-386-5789.

For Sale - JD 30 combine w/motor and bin, good cond.; 10 00x20 truck tire. Sch. Co 717-739-4635

For Sale - Farmall M w/NI mounted corn picker, $900 quick sale. Crist Stoltzfus, R.D. 1, Box 206, Loganton, PA 17747.

For Sale - Proven 2 yr Suffolk ram; Dorset-Suffolk cross yearling ram; yearling ram, $75 each. Schuylkill Co. 717-875-2519.

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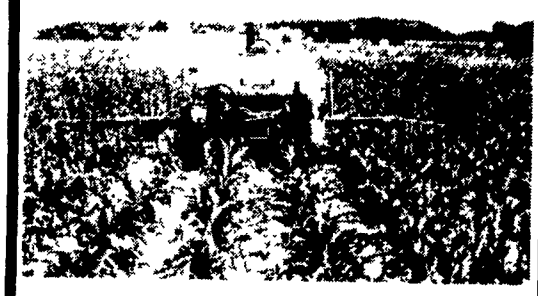

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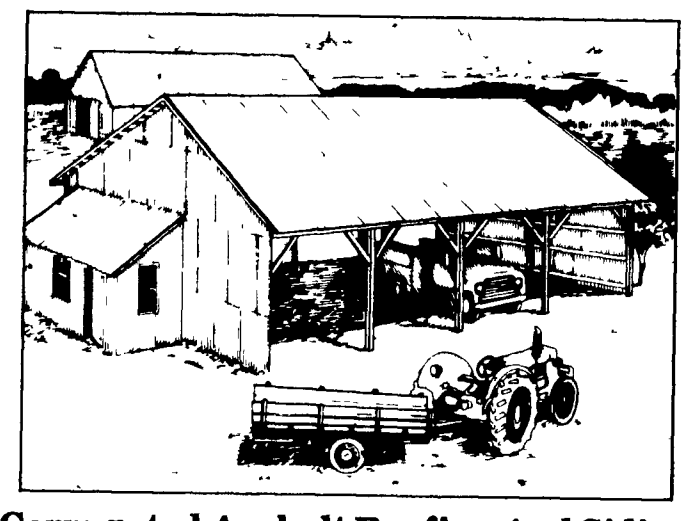

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MAILBOX MARKET

For Sale - $65,000 Ranch Home, Barn, 16 acres. Property borders Unicorn Creek. Box 60, Groff Rd., Millington, MD 21651

For Sale - About 500 bale alfalfa hay and 450 bale bright wheat straw, no rain. Columbia Co. 717-799-5337

For Sale - 1962 ¾ ton pickup truck or parts; 50 gallon drums; cast iron pipe; clothes poles. Perry Co 717-582-4898

For Sale - 1 and 2 yr. old hay, cleaning shed around 200 bales. $1.25/bale Must take all. Warren Co. 201-689-1303

For Sale - Belgian gelding, 3 yrs., broke both sides, sound and quiet, 1800 lbs., good worker Anne Arundel Co., MD 301-969-4151

For Sale - 3 pt. hitch, 2 row cultivator, good condition. Cecil Co. 301-378-3949 after 5 p.m.

For Sale - NH 770 narrow row corn head, in very good condition. $1,200. Lanc. Co., Pa 717-354-9152

For Sale - Int. 55 chisel plow, 11 shank, $1,100.; Int. 411 mold board plow, $400. Chester Co. 215-444-3662 after 8 p.m.

For Sale - Locust posts-110, 4x4x7½ seasoned. $3.95 each. York Co. 717-927-9245

Wanted - Water medicator suitable for turkeys. 3 or 4 ton bin w/30' flex. Spring hitch for pickup Lanc Co. 215-593-2415

For Sale - MH 44 tractor, steel, good, $950., Int transport disk Israel S Martin, R.D 3, New Holland, Pa. 17557

For Sale - 3 Typy springing cows, 2nd and 3rd calf, due May and June. $825. Cumb. Co. 717-243-8328

For Sale - 30 cords firewood, $55/cord, 200 lb. anvil. Mose Miller, R.D.1, Wyoming, DE 19934

For Sale - Oliver grain drill; transport disc; 2 & 3 btm. plows; spring tooth harrows; discs, 2 row corn planters. 717-345-4882

For Sale NI 255 mowc reconditioned, Ontario 16 hoe disc grain drill, reconditioned. Carbon Co 717-427-8274 or 717-427-4084

For Sale - Int. steel wheel 4 bar rake, $75., 10' double Int. cultipacker, $75.; #8 JD mower, $250. York Co. 717-235-5701

For Sale - 8'x9' stake truck bed, 10' long hume reel, make offers, 272 NI cutditioner. Carrol Co 301-756-2087

Wanted - 3 pt. backhoe attach. 304-229-8219

For Sale - JD 494 4-row corn planter w/insecticide and excellent fertilizer hoppers, $395 Can deliver. Lanc. Co. 717-548-2559

For Sale - 15 trusses, 36' span, $40. each; full sized camper cap shell, $100 Near Adamstown, Berks/Lanc Co 215-777-2310

Wanted - Lawn Tractor w/mower or riding mower both 30" to 32" wide cutting width. Reasonable. Lanc Co 717-442-9239

For Sale - 3" Landmatic threading head w/holders and thread chasers for engine or turret lathe Berks Co. 717-865-3366

Wanted - Farm land in Ne Pa. (Brad., Wyoming, Wayne) Lease for Bow-Firearm hunting. Burl Co. 609-758-3698 after 6 p.m

For Sale - NH 489 haybine, used 4 seasons, $4,750 Lanc Co 717-665-4239

For Sale - Case cultivator; JD 3 pt 2 row corn planter, new 3 pt rotary mower, 7' sickle mowers 717-345-4882

For Sale - McCormick Deering grain drill, 7x13, on rubber, in good condition. $225. Bucks Co., Pa 215-257-7415

For Sale - Farmall 460 gas, F/H, new clutch, McCormick 76 combine, pull type, trailer sprayer York Co. 717-225-3894 after 4 p.m

For Sale - New dog box for large dog, $35. Lanc. Co 717-656-6109

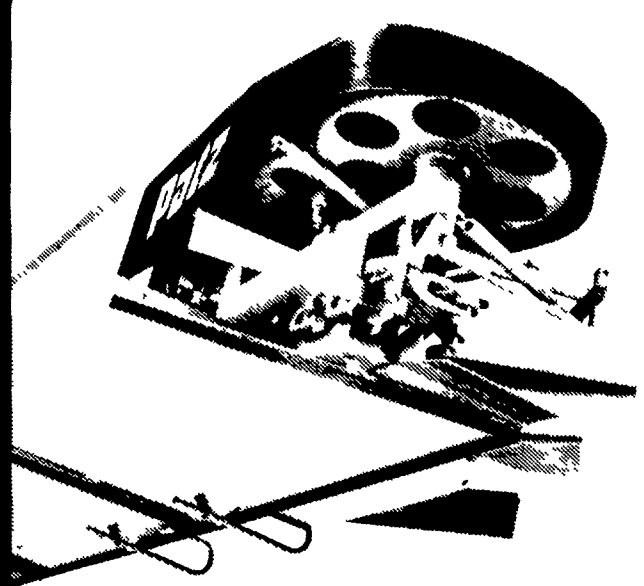
For Sale - (2) 18-4-34 tires w/tubes, ¼ tread, $100, (2) standardbred Brood Mares, (1) w/foal. Hunterdon Co., NJ. 201-995-2614 or 995-4741

For Sale - 2 horse trailer-Miley T.B size, step in w/tack compartment, good condition. $1,800 Chester Co 215-326-0663

For Sale - Dynavent bale chopper, like new, model Hp G. w/Yamaha 7 h.p gasoline motor, great for stalls. Somerset Co. 201-234-1660

Patz

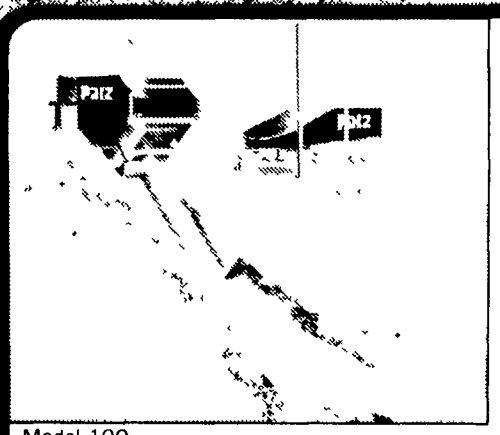
RUGGED AND RELIABLE. . . THAT'S THE WAY PATZ BUILDS EQUIPMENT



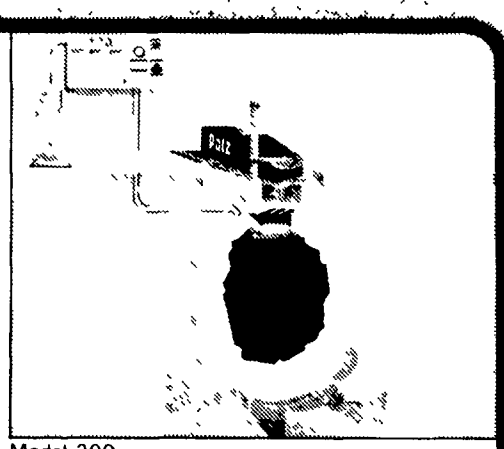
Fast facts

- Durable Patz hook-and-eye link chain allows easy maintenance. Progression forging builds extra strength into hook and-eye link contact points Final heat treating increases hardness, strength and wear resistance
- Choice of two link sizes to match gutter length
- Four-tooth sprocket drives every link Each sprocket tooth drives each link behind the hook--the link's thickest and strongest point
- Flexibility for various layouts
- Select 2 ' steel angle flites for solid manure or 4'' high flites for slurry manure Flites are welded to Patz links
- Three drive unit sizes match your gutter length and allow expansion
- Corner wheel top-and-bottom flanges guide the chain around the corner Corner wheel assemblies remove easily for service without concrete breakout
- Automatic chain tightener
- Heavy-gauge steel slide with steel center beam for added strength

Patz



Model 100



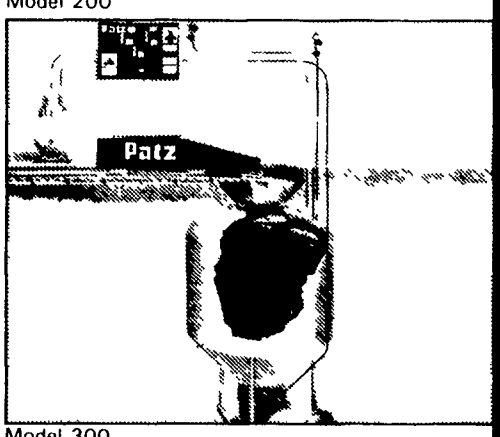
Model 200

Truly automated manure-handling systems

For semi-solid manure: Model 300 Air Manure Mover Compressed air moves manure with long straw through 24-inch pipe to storage Few moving parts assure long service life Load and haul manure with your present equipment to keep investment low

For slurry manure: Model 100 Slurry Pump Large-capacity 7" by 15" plunger moves manure to storage through 12" or 15" PVC pipe Plunger stroke length adjusts, depending on manure consistency Plunger and plunger sleeve remove easily for inspection

For liquid manure and free flowing slurry: Model 200 Manure Mover Compressed air moves manure from a 1,700-gallon collection tank through PVC pipe to storage Few moving parts provide low maintenance, easy service and long life



Model 300

Patz gives you inside the barn comfort and fingertip ease of manure handling

Patz

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DISTRICT SUPERVISOR
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Sale Reports

Tri-State Farm Consignment Sale was held at Greencastle, Pa. Over 1,000+ attended on Saturday and 27 tractors were sold.

Some prices included: John Deere 730D $3700; 180 Allis $4300; Cubs $1400-$2300; 8 N Fords $1400-$1600; CA Allis $1300; 601 Ford selecto $1975; Hi-clearance sprayer $3500; forage wagons $350-$850; balers $350-$3300; plows $150-$400; mowers $150-$450; farm trucks $475-$3050; cattle truck $2600 and riding lawn mowers $150-$975.

Next sale scheduled for September.

XXX

A Public Auction of real estate was held May 4 by Daniel Z. and Lydia Stoltzfus, along Snake Hill Rd., 1 mile north of Route 23 and 2 miles west of Leola, Lancaster Co., Pa. There were approximately 200 people at the sale.

The 69.9 acre farm with a 2 story stone home built in 1807, 80' bank barn, large tobacco barn, custom butcher shop, tool shed and large implement building was sold for $441,000. This averages out to $6310 an acre for this farm with 60 acres tillable.

Auctioneers were Ron Funk, Samuel B. Stoltzfus and Gordon Ressler.

XXX

A Public Auction of real estate and antiques was held May 4 by Laura E. Hertzog, 1728 W. Main St., Ephrata, Lanc. Co., Pa.

The 4 bedroom brick rancher with a 2 car garage was sold to Harlan H. Martin and Robert M. Kreider, Jonestown for $79,500.

Other items sold were: Herschede tall hall clock $1575, 2 china closets $1050 & $925, 2 blanket chests $110 & $120, 2 wood chests $140 & $180, Victrola $120, 6-prong wooden fork $225, Farmall toy tractor $115, cast iron Case threshing machine $50, model cars $7 to $30, J.D. tractor set $56 and old wooden express wagon $185.

Auctioneers were Paul E. Martin and John D. Stauffer.

XXX

A Public Sale of real estate and antiques was held May 4 for the Minnie H. Wentling estate at 219 E. Pine St., Ephrata, Pa.

The real estate was sold for $35,700 to Ronald Starr, Ephrata and included a 2 story frame house with a cement block garage.

Other items sold were: set of 6 plank bottom chairs $570, bow front china closet $425, square oak extension table $325, table with drawer $285, oak dresser $190 and goose wing axe $115.

T. Glenn Horst and Timothy G. Horst were the auctioneers.

XXX

A Public Auction of real estate and antiques was held May 4 for the estate of Mabel I. Lebo, 4 miles east of Millersburg in the village of Killinger, Pa.

The 23 acre property with a 2½ story frame log house, bank barn, summer house, chicken house and garage was sold for $45,000.

The 12 acre property was sold for $7,500 and included a ranch frame home with a modern eat-in kitchen and wall-to-wall carpeting.

Other prices included: corner cupboard $700, coffee grinder $42.50, pitcher & bowl set $105, bracket lamp $80, cradle $130, waterfall bedroom suite $250, oak bed & dresser $200, chest of drawers $410, washstand $115, cherry settee $200, cherry dropleaf table $230, Console piano $950 and Cub Cadet 10 h.p. tractor $1175.

Auctioneers were Ed. Shoop and Dave Deibler.

XXX

An Estate Auction was held May 4 for the estate of Margaret Mac Elfatrick, at Stoney Creek Barn, ½ mile east of Dauphin, Pa.

Some prices were: dated 1883 dressing screen $550, pine corner cupboard $1100, walnut wardrobe $1300, mahogany highboy $800, curly maple dresser $2200, Dutch cupboard $800, 6 plank bottom chairs $190 each, Oriental robe $120, cast iron door stop $120 and 2 Barber bottles $70.

Kerry Pae Auctioneers conducted the sale.

XXX

A Public Auction of real estate and antiques was held May 5 by Robert Rozelle, Mehoopany in the town of Lovelton on Pa. Rt. 87 between Dushore and Mehoopany, Pa.

The parcel #2 containing .3905 acres with creek frontage was sold for $1000. Other prices included: round oak table $365, 6 T back chairs $60 each, buffet $110 and oak dresser with beveled mirror $175.

Wayne Weaver was the auctioneer.

XXX

A Public Sale of real estate and personal property was held April 27 by Donnie L. Martin, 6 miles northeast of Spring Run, Franklin Co., Pa.

The 150 acre tract was bid to $110,000 and withdrawn from public sale. Other prices of machinery were: David Brown Model 99T tractor $5000, Caterpillar tractor $4200, N.H. #271 baler $1000 and N.H. 5 bar rake $700.

J. Robert Meyers was the auctioneer.

XXX

A Public Auction of household goods and butchering equipment was held May 4 by Jennie Bull on the farm 5 miles northeast of Hughesville, Pa.

Some prices received were: commercial meat grinder $580, J.D. G tractor $850, A.C. WD tractor $545, hammermill $220, meat band saw $950, brass trimmed iron bed $150, star quilt $150, starburst quilt $200 and double wedding ring quilt $150.

Fraley Auction Co. conducted the sale.

XXX

A Public Auction of cows and milking equipment was held May 3 by Mr. and Mrs. David Morrison, Liberty Grove Rd., Port Deposit, Md.

A springing heifer sold for $1020, 1st calf heifers ranged form $900 to $960. Second and third calf heifers sold between $760 and $890 with an average of $750 for the herd.

The Mojonnier 550 gal. milk tank sold for $1000 and 3 DeLaval milkers brought $500.

Auctioneers were Norman E. Hunter and Parkes T. Williams.

XXX

A Joint Production Sale was held May 4 by Rose Angus Farm and Homestead Hereford Farm at the Rose Angus Farm, 7 miles south of Whitney Point, N.Y. A nice sized crowd attended the sale.

A Hereford bull sold for $700 and Angus and Hereford cow and calf combinations brought $300 to $600.

Mel Manasse was the sales manager and auctioneer.

XXX

A Complete Dispersal of 44 Holstein cows and farm machinery was held May 2 by Roland and Anni Neudel on the farm ¼ mile off Route #12 in Brisben, N.Y.

The average of the cows was $600 and they ranged in price from $400 to $1025. Other prices included: Troybilt rototiller $670, Gehl self-unloading wagon $2350, Cornell wood splitter $525, N.H. 467 haybine $1700, Kuhn tedder $1200, N.H. 273 baler $1500, David Brown 990 tractor w/loader $3575, Oliver 1465 tractor $5100.

Mel Manasse was the sales manager and auctioneer.

XXX

A Public Auction of household and collectibles was held May 4 for the Levi Beagle estate, 418 East St., Bloomsburg, Columbia Co., Pa. There were 207 registered buyers present.

Some prices included: oak bedroom suite with carved flowers $610, oak bedroom suite (plain) $575, Cowden-Wilcox jugs $125 to $150 each, wicker basket $130 and wicker baby stroller $90.

Dan Nevius and Olen Knecht were the auctioneers.

XXX

A Public Sale of farm machinery was held May 2 by George Gayman, R.D. 2, Bedford, Pa.

Some prices were: Int. 656 tractor $4100, Hesston haybine $3000, Int. 460 tractor $3700, mixed hay $50 & $40 per ton, post driver $500, bale wagons $600 to $800 each and Fahr hay tedder $1000.

Auctioneers were Claycomb and Mishler.

The Herman R. Jarret Estate Auction was held at the Corrie Mull residence 2½ miles north of Selinsgrove, Pa. on Tuesday, April 30, 1985 at 12:00 noon.

There were 195 registered bidders present at the auction plus many more people.

Some prices received were: 4 prong long handled straw fork $100.00; drysink $475; high chair $70; (2) butcher kettles $150 a piece; copper apple butter kettle $250; Ferguson #20 tractor $1500; MF #22 3 pt. disc $500; MF #42 3 pt. mower $525; 3 pt. Ferguson saw buck with 30" blade $325; NI one hole corn sheller $57.50; 3 pt. boom $100; Ferguson 3 pt. cultivators $150; NI 14-A manure spreader $270; Dearborn 2 bottom plows $135; 1972 Chevrolet pickup $600.

Auctioneer was Dale L. Longacres. Apprentice auctioneer was Roger A. Lauver.

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A fuel miser that's long on performance ...and Peace of Mind.

The 8010 delivers top working torque on very little fuel and it's backed by the 3 year 3000 Hour Peace of Mind Warranty on engine and power train. Plus

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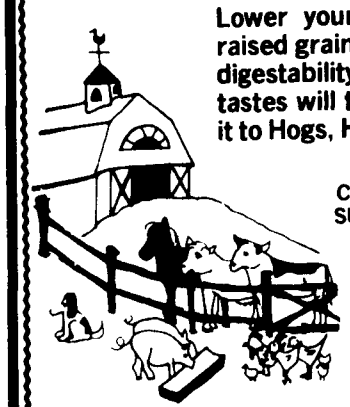
Lower your feed costs by feeding your own raised grains. Roasting your grains will increase digestability and remove moisture. Flat bitter tastes will turn to sweet pleasant flavors. Feed it to Hogs, Heifers, Dairy Cows and Horses.



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PUBLIC AUCTION

SATURDAY, MAY 18th, 1985

@ 10:00 A.M.

Absolute Auction of Farm & Industrial Tractors & Machinery to be held at Central Square Equip. Corp. County Rt. 54 Central Square, N.Y., Central Square Exit Off Rt. 81; County Rt. 49 West from Central Square 6 Miles to County Rt. 59 North to Sale.

TRACTORS

HESSTON: 980 DT 4WD 200 hrs
LONG. 910DT 4WD New Condition, 610DT 4WD 510DT 4WD Low Hours
MF: 180D, 175D, 165D, 50's G&D, 35D,
KUBOTA: B8200 95 Hrs **HEFTY** F 27HP w/BLADE
AC: G w/cult & plow, D14, D12 w/LDR, WD & WD w/side mower, WC, CA, B w/LDR,
FORD: 600, 800 w/Forklift, 2-Major's, Dexta, 9N's, Super Major, 8N
FARMALL: 340 Utility, 2 350D's, 504, CUB,
OLIVER: 880D, 55D,
FERGUSON: 30 w/LDR, T030,
JD: B, MT. **MH:** 44D WFE

NEW EQUIPMENT

PITTSBURG: 10' Drag, 4' Drag, 4&6' 3 pt Disc 7' 3 pt Disc, 1x Plow,
WOODS: 304, 348, RL59
EZ FLOW. (2) 220W Gravity Boxes (2) 872W Wagons
OLIVER: (2) 2X Plows, New Plow Bottoms Slat & Regular, Disc Gangs,
MF: 662X 3 pt Plow,
MISC. New 6' Super Pan, Freeman

FARM MACHINERY

MF 300 Combine w/Grain Head, IHC 93 S P Combine, (2) MF 35 Combines, MF 13' Grain Head, Red River Special Thresher, MMH 942 2 Row Head, Oliver 525 2 Row Head, Case 650 S P Windrower, (2) N H 461 Haybines, Hesston Pt 10 Haybine, MF #12, 10, 3 Balers, 24' Hay Trailer, (2) MF #39 2 Row 3 Pt Planters, MF 9' 3 Pt Disc, Offset Disc, Large Selection of Plows New & Used From 1X to 5X 3 Pt Hitch, Fast Hitch, Trailer & Semi Mtd Most Makes & Sizes

CONSTRUCTION

Case 310 Loader & 310 Dozer, Trojan 4WD Loader, **OLIVER** OC 18 Dozer, OC3, 2-HG w/Blade, Case 210B w/Loader, JD 1010 Crawler Loader, IH T340 Crawler Loader w/Grapple Fork, Hough HHD LDR, Austin Western Grader, Gallion Roller, Case 1816B Skid Steer Loader, Haulette Trailer, 1974 GMC Tractor & Low Boy Trailer, New Cat Blades For D4, D6, New Cargo Winch, Cat D-4 Winch, TD9 Winch, New & Used Loader & Backhoe Buckets, New MF 200 Dozer Ripper, New ROPS, New MF500 Crawler Cub, New MF Cabs For 70 & 80 Backhoes, Weight Kits For Crawlers, JD Ripper, JD Brush Blade, Pippin Backhoe, Cat D-4 & JD 450 Tracks, New Oliver 10 & 12' Dozer Blades, Fork Attachment, New Meyers ST 84 Blade, Plus Several Attachments, Truck & Construction Tires, 1 Way Truck Snowplow, Etc New 8' Dakota Dozer Blade

PARTS TRACTORS & ETC.

Cat D 6 & D-2, JD 2010 Crawler, Oliver 1800, Farmall SM, M, SA, 300, Ford 9N, Ferg 20, AC G & B, MF Parts Backhoe New & Used Tractor Tires & Rims, Several New 38" Rims & Centers, Large Quantity New 20 Spreader Wheels, Tractor Weights, N H 717 Choppers, JD 2 Row Chopper, IHC 550 w/PU Head, Ford 6112, (2) Gehl 300's, Case 300 w/PU Head, IHC Pickup Head, Gehl 2 Row Corn Head & Pickup Head, Lamco Forage Box, 8', 9', 12' Drags, JD Field Cult, MF Grain Stalk Shredder, 108 Bush Hog Mower, Brillion 6' Flail Mower, JD, Badger Blowers, 2 Row 3 Pt Cabbage Planter, Arpo & Forano Snow Blowers, Lely Ted der, Brillion Grass Seeder, 6 Row Sprayer, JD 2 Row Cultivator, Ferg 3 Pt 2 Row Cult, 1 Row Cult Electric Wheel Wagons, Brillion Roller, MF 32 3 Pt Mower, MF 135 Side Mower, Farmall A Mower, (3) Freeman Loaders, Ford & MF Snow Plow, IHC Side Mower, Clyde Roller

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40' Overhead Crane, Large Quantity New Rolling Coulters, New Freeman Loader Booms & Frames, Several Pallets Of Parts & Items You Would Expect To Find After 30 Years In Business

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5 HP & 10 HP Wheel Horse Mowers, 7 HP Stallion Mower, (3) New Sunmaster Mid Mount Mowers, (12) New MF Dump Carts, (2) Yanmar 60" Mowers, New Snapper 42" Blower, (3) MF 620 Snow Blowers, (3) Jacobson Snow Blowers, Jacobson & IHC blades, Kubota 48" Mower, New 1 Row Cult For Kubota 245H More!!

TERMS: Cash Or Good Check Day Of Sale
Forklift & Boom Tractor For Loading

Owner-
CENTRAL SQUARE EQUIP. CORP.
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Auctioneer's Note: After 30 years in business owners are retiring and have sold business we will sell at items to highest bidder. Plan to be with us on Saturday.

Sale By:

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Some Items May Be Subject To Change

Sale Reports -

A Public Auction of milling inventory and trucks was held May 2 by H.O. Andrews Milling Company, 8 miles east of Huntingdon, Pa.

Some prices included: 1981 Int. dump truck $7500, 1976 Int. truck with feed blower $5400 and 1968 Int. dump truck $3300.

Mark Glick and Gale Gibboney were the auctioneers.

XXX

A Public Auction of antiques and farm machinery was held May 4 for Esther W. Amand and the late Chester L. Amand, west of Lancaster in the village of Ironville. There were about 600 people attending the sale.

Some prices received were: dovetailed cherry slant-top desk $1285, round oak china closet $1000, tiger maple Sheraton chest of drawers $750, early Model-A Ford (poor condition) $1450, 3 pc. Empire parlor set $525, 2 copper kettles $300 each, red stained rope bed $450, oak rocker $110, early rocking horse $230, mantel shelf clock $160, round oak table $375, oak library table $170, child's iron crib $180, corn shellers $85 to $95 each, painted jelly cupboard $230, Nippon vase (cracked) $230, Farmall BN tractor $860, elevator $350, J.D. baler $530, J.D. side rake $350 and 12 berry carriers $23 each.

J. Omar Landis Auct. Service and Jay M. Witman conducted the sale.

XXX

A Public Sale of real estate and antiques was held April 27 for the Earl R. Rettew estate at 612 S. 15th St., Columbia, Lanc. Co., Pa. A large crowd attended the sale with very spirited bidding.

The real estate was sold for $49,500; and other prices were: 1980 Chev. Impala $4500, oak chair $165, oak washstand $130, 6 plank bottom chairs $90 each, oak desk & bookcase combination $350, sideboard $240, double lid woodbox $350, Frigidaire refrigerator $320, drawing knife $15 and quilts sold very good.

Jacob A. and Brian L. Gilbert were the auctioneers.

PUBLIC SALE

SATURDAY, MAY 18

Starting at 9:00 A.M.

Located 6 miles south of, Mt. Pleasant Mills, PA. (Snyder County) Turn off Route 104, 3 miles south of Route 104 and 35 intersection at Fuller's Store and Follow Sale Signs for about 3 miles. Near Oriental Hotel.

SELLING ANTIQUES, GUNS, HOUSEHOLD GOODS, LARGE AMOUNT OF TOOLS

GUNS

Winchester Model 12 Feather weight 12 gauge, Savage Model 550 Double Barrel 12 gauge, Remington 700 22-250 with 3X9 Bushnell Scope, British 303 sports with widefield Scope, H and R 20 gauge single barrel, Winchester model 60 22 single shot, American 12 gauge Double Barrel Domestic with Hammers, 3 Daisy Lever Action B.B. guns, 7x35 Binoculars, Assortment of hunting supplies, Gun cabinet for 11 guns.

HOUSEHOLD GOODS

Kenmore A.M./F.M. Stereo Record player, wood dining room table with 4 chairs, 2 reclining chairs, Kenmore 30 inch stove with ceramic top and continuous clean oven, coffee tables, cedar chest, cedar wardrobe, Clary Electric adding machine, Underwood Typewriter, 2 small grills, 2 filing chests. 5 metal lawn chairs, 3 kerosene heaters, beach umbrella, dusk to dawn light, lawn edger, metal shower stall.

ANTIQUES

4 piece bedroom suite, weigh scales, radio, ice box, dresser, nail puller, wrenches, draw knife, bottle capper, plane, brace, 2 whiskey barrels, 2 cross cut saws, wooden pulleys, brass sledge hammer.

1973 F250 STAKE BODY TRUCK TOOLS, SHOP, AUTOMOTIVE, AND YARD ITEMS

Owen D.C. portable welder, Forney Electric Welder, 10 Ton Floor Jack, complete torch cutting set with bottles and Kart, DM 50 Homelite masonary saw, roller cabinet tool box, 10 roof jacks, 2 ladder jacks, ½ ton chain comealong, 20 ton jack, 5 ton jack, welder lead cable, electric soldering gun, saber saw, ½ inch Electric Drill, pipe vise, picks, several 5 gallon safety gas cans, 2 electric timing lights, draw meter, welding helmet, chipping hammers, tool boxes, circular saw blades, fire extinguishers, paper hanging tools, Assortment of hand wood working tools, digging iron, mason mud mixing pan, post hole digger, concrete rake, push broom, 40 - 8 foot round creasoted fence posts, ½ inch air impact wrench 3/8 inch air impact wrench, impact sockets, assortment of pipe wrenches, hammers, allen wrenches, tire tools, drill bits, punches, tie rod puller, adjustable wrenches 16 inch and smaller, ¼ inch electric drill, 4 inch disk grinder, 8 inch disk grinder, Air compressor with 20 gallon tank, 1200 lb. safe, ¾ inch socket set, ½ inch socket set, 2 - 3/8 inch socket sets, 2 - 20 lb. propane bottles, junk pile, small portable air compressor, assortment of concrete tools, circular skill saw, air hoses, gas nozzle, 2 sets of jumper cables, grease guns, 5 gallon shop vac, electrical automotive supplies, 2 bolt bins and bolts, radiator pressure tester, Black and Decker 6 inch bench grinder, hand fuel pump, assortment of log chains, chain binders, 8 gallon anti freeze, 2 inch by 40 foot nylon belts with wrachet, assortment of bolts and nuts, starter fluid, 9 inch grinding disk, 250 foot 12-3 cord, 50 lbs. 8 penny nails, assortment electrical supplies, 50 lb. welding rods, strap hinges, 20 inch by 20 inch new furnace filters, 2 anti-freeze testers, 2 battery chargers, tubing cutter, battery post cleaner, AMP reader, vise grips, leather punch, small wheel puller, chisels, files, screw drivers, 1-1 13/16 inch open end box wrench, 1-1½ inch open end box wrench, large assortment wrenches, mechanics magnet, Homelite chain saw with 16 inch bar, pry bars, pipe threader, and dies, ridget pipe cutter, extension cords, axes, sledge hammer, rear end grease pump, large electric spot light, 10 lb. plumber torch and bottle, several air regulators for paint guns, tin snips, miter box, wood bits, hand plane, measuring tapes, plumbing supplies, inline fuel filter, assortment of nylon belts, 50-¾ inch by 7 foot long nylon ropes, shovels, 100 gallon fuel tank, roller tracks, 10 used storm windows, 2 steel entrance doors, 2 storm doors, large assortment of windows, garden duster, patato fork, 24 foot aluminum extension ladder, aluminum landscaping rake, 275 gallon fuel tank, 4 foot by 8 foot utility trailer, 12 foot by 20 foot chainlink fence 6 foot high, 2 - 7 by 9 overhead wood garage door, 7 by 10 overhead wood garage door, trailer hitch, potato fork, large clevices, 2 Black and Decker circular saws, 8 point silage fork, 6 by 8 - 2 wheeled trailer, 8 foot truck cap.

BOLENS 26 INCH SNOW BLOWER LAWN ITEMS

Sears 10 H.P. Riding Mower with 36 inch cut, 2 years old, Sears 12 H.P. Riding tractor with 36 inch mower and hydraulic loader bucket, reel type power mower, 10 inch 1 bottom plow, Disk, harrow and cultivator for small tractor, lawn roller, old toro rototiller, needs repairs, Black and Decker battery rotary mower, six trailer axles.

MANY MISC. ITEMS UNLISTED

TERMS: Cash

1:00 P.M. Guns followed by Household Goods. I.D. for Bidder Number.

Owner
DON BRENNEMAN
539-4465

Auctioneer: Ken Smith
AU-000867-L 837-3535

Owner and Auctioneer not responsible for accidents.

GAP AUCTION

FRIDAY EVE., MAY 17

5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

Selling Household Goods & Antiques From A Home In White Horse.

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

IRA STOLTZFUS & SONS, Auctioneers
442-4936 or 442-8254
AU000907-L
CONDUCTORS ALL TYPES PUBLIC SALES

PUBLIC SALE

OF FINE ANTIQUES HOUSEHOLD GOODS & FINE HAND TOOLS 8HP RIDING MOWER

SAT., MAY 18, 1985

at 9:00 a.m.

Loc. along Kendig Road, RD#1 Conestoga, PA (in village of Conestoga at Conestoga Wagon Restaurant turn north onto Kendig Rd.; go about ¼ mile to sale; watch for signs)

Sale by

MR. & MRS. ELI E. HARNISH
HOWARD SHAUB 464-3541
and Roy C. Probst
Auctioneers (AU-000831-L)

PUBLIC SALE

SATURDAY, MAY 18, 1985

9:30 A.M.

Located in Blair Co., Pa. Between Bedford and Altoona, off Rt. 220. 3 miles north of Imler, 3 miles south of Sproul, 8 miles from Blueknob State park & Ski Resort.

Oak Furniture, Antiques, Household Items, Some Machinery

Real Estate offered at 12 noon consisting of 100 Acres (more or less) with a 9 room 2-story frame house, w/oil heat and a 2-story frame barn. Lots of spring water on property. Approximately 20A cleared, more acreage easily cleared. For information & inspection phone 814-239-5295.

TERMS: Personal Property- Cash. Real Estate: 10% down, balance due at settlement. Conditions announced day of sale.

Estate of **BESSIE V. DEFFIBAUGH**
Executor Bessie A. Walter
R.D. 1, Imler Pa.
814-239-5295
Larry Beach, Auctioneer
Lic. #AU001221-L PH: 814-766-3551

Sale Reports

A Public Sale of hydraulic and air motors was held May 1 by Issac and Lavina Beiler, along Route 897 in the village of Springville, Lanc. Co., Pa.

Some prices included: veal barn 66x100 ft. $2050, hydraulic motor $52.50, 3 fans $100 each, Kenetico water softener & nitrate filter $1700, Cat high pressured washer $740, 16 h.p. Lister diesel engine $1025, 1000 gal. air tank $850, plank bottom chairs $38 each and bedroom suite $175.

Steve and Steve Jr. Petersheim.

XXX

A Public Sale of power and hand tools was held May 4 by Doris Mae Morse, 325 E. Walnut Street, Lancaster, Pa.

Some items sold were: Belsaw $1000, wood shaper $265, radial arm saw $300, jointer $260, aluminum extension ladders $120 to $200, sawzall $125, metal scaffolding $77.50 per set, transit $290, drill press $140, electric miter box $150, table saw $170, wood levels $37 to $40, jacks $40 to $100, draft table $115 and grinder $72.50.

Auctioneers were Elvin Siegrist and Alvin Miller.

XXX

A Public Sale of tractors and farm machinery was held May 4 by Richard Blessley, on new Route 15 in Dillsburg on Old York Rd., York Co., Pa.

Some prices are as follows: N.I. Unisystem 3-row corn picker-husker-sheller $8600, J.D. 3020 D tractor $8600, Ford 8N tractor $2300, J.D. A tractor $1050, Farmall H w/loader $1100, Mohawk chisel plow $600, Oliver 4-row corn planter $1600 and ear corn $65 & $70 per ton.

Chuck Bricker was the auctioneer.

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

MAY

SAT. MAY 11 - Benefit for House of His Creation. Erculdion 3 mi. S. of Coatsville. Steve Petersheim, Auctioneer.

SAT. MAY 11 - 11AM Public Sale of Farm Mach. & Related Items. Located 6 mi. S. of Richfield off Rt. 104 Sale for Elwood C Flowers. Bryan D. Imes, Auctioneer.

SAT. MAY 11 - 9AM Consignment Auction Sale of Const. Eq., Trucks, Trailers, & Tools. For Construction Industry Council, Yonkers, NY Vilsmeier Auction Co , Inc.

SAT. MAY 11 - 8:30AM Public Auction of 125 Acre Farm, Antiques & Personal Property. Location: in Deodate. Take Rt. 283, turn right on Rt. 743 to Colebrook Rd., turn left on Colebrook Rd to Sale Site. Owner, Fannie H Lehman. Sale by: J. Omar Landis Auction Service, Jay M. Witman, Sale Mgr.

SAT. MAY 11 - 10:30 AM Truss Eq., Cedar Rd. Materials, Norfolk, VA Ownby Auction & Realty Co., Inc.

SAT MAY 11 8.30 AM Public Auction of Real Estate, Antiques & Collectibles, HH Goods, Farm Mach. Located 8 mis. E. of Millersburg, PA, ½ mi. S. of Rt. 25, along Savidge Rd. Estate of Sadie A. Savidge. Dockey, Dockey, Deppen, Auctionees.

SAT. MAY 11 - 12 Noon Public Consignment Auction of Farm Toys & Other Old Toys. Located "Rough & Tumble" Steam Museum, Kinzers, PA. Farm Toy Show & Pedal Tractor Pull.

SAT MAY 11 - Public Sale of Tractor, Wood Working Mach., Tools, Personal Property. Located 380 W. Penn Ave., Robesonia, Berks Co., PA. H.H. Leid Auction Service

SAT MAY 11 - 10 AM Consignment Sale of Tractors, Farm Mach., Livestock, Pickups, Furniture, etc. Located ¾ mis. off Rt. 97 E., 5 mis. off Rt. 30 W. on New Bachman Valley Rd., MD. Clarence Trout 301-848-8223.

SAT. MAY 11 - 9 AM Public Auction of Blacksmith Tools, Shop Eq., Old Car Parts, Engines & Antiques. Located E. of York off Rt 462 at Stony Brook, go North on Pleasant Acres Rd. Elwood Boyer Estate Blaine N. Rentzel & Son, Auctioneers.

SAT MAY 11 - 9:30 AM Public Sale of Fine Antiques & Hshld Furnishings. Located Denver Fire Hall, 425 Locust St., Denver, Lanc. Co., PA. Approx. 2 mis. W. of Exit 21 of PA T.P. Terms by: Elizabeth C. Sharp. T. Glenn Horst, Auctioneer

FARMERSVILLE AUCTION

TUESDAY, MAY 14, 1985

4:00 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Selling a very clean lot for folks moving to Arizona. 8 pc. modern diningroom suite w/cane back chairs; nice pine dresser w/hutch mirror with matching chest of drawers; 2 captains beds with bunkie boards & mattresses, 2 pc. rust livingroom suite; wall hugger recliner; TV's; dressmaker elec. sewing machine; Bentwood rocker; heavy pine crib; floor & table lamps; bar w/5 stools; tea cart; 3 way pool table; stands; bedroom suite; Cycle Gym exercise bike; coffee table; sleds; etc.

Appliances: G.E. washer & dryer 2 yr. old; 2 refrigerators; adding machines and elec. typewriters; upright freezer; dishes; small items; box lots; etc, etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
354-5095

Auctioneer Lester Weaver
AU-982-L

Consignments being accepted for our Memorial Day Antique Sale.

-AUCTION-

750 ACRE APPLE FARM

Located in the Northern Panhandle of West Virginia, near Chester, West Virginia, Hancock County. 35 miles West of Pittsburgh, Pa. on US 30 then 2 miles South on West Virginia Route 8, on:

SAT., JUNE 1, 1985

11:00 a.m.

750± acres, 450-500 acre apple orchard, with trees of all varieties; 4- (5) acre parcels; 35 building lots in an approved building plan; 4 houses; apple grading building with grading equipment; cold storage for 80,000 bushel of apples; FREE natural gas; property has its own water supply, with city water at the property line.

Taxes approximately $2400.00 per year.

For more information call:
412-734-4244 or 412-573-9533

ANDERSON AUCTIONEERS, Inc.
Box 50
Georgetown, PA. 15043

WV Auctioneer license #455-85

GLASSWARE AUCTION

SUNDAY, MAY 19, 1985

2:00 P.M.

Open at 1:00 P.M. for Inspection

Held at the Holiday Inn, 1492 North Lititz Pike, Lancaster, PA.

Westmoreland Extravaganza Collectors Series

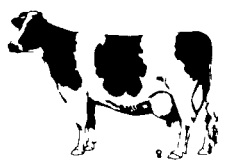
Dark rubby red; pink and blue and clear wildflower and lacy crystal; crystal hens on nest; pink opalescent lotus; Hobnail; black onyx glass and amethyst; standing roosters; pastel baskets; carnivalware; brass finish candlesticks with votive; wood base candles; assorted; 1970 crystal Tiny Tim plates; crystal mini punch bowl set; Also L.E. Smith glassware; depression glass; music boxes; brass and brass miniatures; plus many more items.

No out of state checks.

Owner: **SAMMY D. GRIZZLE**
717-367-5916

Auctioneer:
John H. Cooper
Lic. #AU-001332-L

—THE HUNTERDON HILLS



COMPLETE DISPERSAL—

THURSDAY, MAY 23rd—11:00 A.M. SHARP

Rosemont, N.Y.

170 REG. HOLSTEINS—80 COWS (34 2 Yr. Olds)—90 HEIFERS

In only 17 years with Holsteins, 33 Ex Cows have been born here (27 with the Hunterdon prefix) Now is your opportunity to reap the benefits of this breeding program. Whether it be one of the 10 Ex or 28VG mature cows, one of the top group of 34 2 yr. olds carrying this inheritance, or one of the group of fine heifers this is truly an outstanding opportunity for all Holstein breeders.

—TOP PRODUCTION—

2 with 1108-1212 Fat	3 from 25-29000 Milk
3 with 933, 960 & 995 Fat	6 from 24-25000 Milk
16 from 801-881 Fat	7 from 23-24000 Milk
15 from 704-793 Fat	19 from 21-22000 Milk

--and 34 on test as 2 yr. olds--

WATCH NEXT WEEK OR SEE MAY 10 WORLD FOR MORE DETAILS!!!

Farm Location: Just across the river into New Jersey! Go south from Flemington N.J. or northeast from Doylestown, Pa. on Rt. 202 until just before the Delaware River from N.J. or just over the river from Pa., then north on N.J. Rt. 29 to farm which is just 1½ miles north of Stockton, N.J. and 10 miles South of Frenchtown. From Lancaster area take Pa. Tpk. to Willow Grove Exit. Then Rt. 611 N to Rt. 202N. Travel thru only little over 2 hrs.

Sale Headquarters: Holiday Inn, New Hope, Pa.
215-862-5221
Sale Staff: Clarence Stauffer 717-738-2406
Chas Myers 717-898-0983
John Merryman 301-771-4625

Send For Catalog to—

BACKUS ASSOCIATES, INC
P O Box 424
Elizabethtown, Pa 17022
717 367-9236
315-963 7231

Hunterdon Hills Holsteins, Inc.
Box 140 Rosemont, N.J.
609-397-2270
Lloyd Wescott

John Paulmier, Mgr.
609-397-3342

SPECIAL SHORT NOTICE AUCTION

OF FARM MACHINERY AND CONSTRUCTION EQUIPMENT FOR FHA & OTHER SECURED CREDITORS

THURSDAY, MAY 16, 1985

6:00 P.M.

Sale to be held at Northeast Auction Center, Rt. 5, Vernon, N.Y. 35 miles east of Syracuse, 15 miles west of Utica. 5 miles NYS thruway, exit 33. 315-829-2330.

NORTHEAST AUCTION CENTER

Partial listing include: (2) IH 1486 tractors, Ford 5000 diesel, Ford 5000 gas with Ford loader, JD 4430 w/cab QR, complete overhaul, excellent, JD 7000 4 row planter, real nice, NH 277 Baler with kicker, IH 706, Case 1070 tractor, JD 70 Skid Loader, IH 350, NH 851 Round Baler, JD 510 Round Baler, New MC 1084 Spin Bine, JD 220 20' disc, 4 Sets JD Cultivators, 8 Row MF cultivator, 3 Sets JD 10 to 12' discs, 18' Oliver disc, 2 Gehl blowers, Case 3 pt. 12' chisel plow, Moline ground driven spreader, NI PTO spreader, NH 277 Baler, no kicker, JD 214 Forage Wagon on JD gear, nice, 1979 IH Scout 4WD, Nice, White 8 row folding planter, JD 1209 mower conditioner, Hesston 1090 mower conditioner, NH 495, New 4 & 5 bottom Kneverland plows.

CONSTRUCTION ITEMS

1978 450C Crawler, 6 way blade, winch, canapy, real nice, rebuilt under carriage in January. 1966 JD 440 Skidder diesel, rebuilt engine, ready to go to work. 1972 IH 1710 Cab over 10 wheeler log rack w/77 Tree King log loader with new Bushings. 1977 C50 dump truck. 1973 3 axle 9 ton Tag-A Long trailer. JD 350 diesel dozer.

In addition to these listings FHA has put together over 75 more quality items gathered from 15 different farms. There will not be time to list them all as the list is not complete. You should plan to attend this sale as there will be lots of surprises. All sold to the highest bidder.

Terms: Cash, good check with ID, Master Card, Visa, nothing removed until settled for. Trucking available. Dinner available. For your convenience this sale is being held in the evening. Plenty of lighting. Everything must sell.

AUCTION SALE

Sale By Order Of Harry Fiocchi Construction Inc A Secured Party On The Assets Of Echols Construction Removed To These Premises For Convenience Of Sale

CONSTRUCTION EQUIPMENT VEHICLES, TOOLS & SHOP EQUIPMENT

WEDNESDAY, MAY 22, 1985

-11 A.M.

ON PREMISES

N. LINCOLN AVE., VINELAND, N.J.

DIRECTIONS: Lincoln Ave. is 1000 Ft. West of the Intersection of Routes 40 & 54 (Off Wheat Road) in Buena (Midway Inn). Take Lincoln Ave. 1½ Miles to Sale Site on Left.

LOADERS, GRADERS, DITCH WITCH, TRAILERS

1978 John Deere 450-C 1 Yd. Crawler Loader w/Demountable Backhoe, 1975 Case 580-B Rubber Tire Loader w/Demountable 14' Backhoe & Demountable Service Hydraulic Grader Box, 1971 Case 580-CK Backhoe w/Underbelly Articulating Grader Blade, 1970 Ditch Witch R-60 Trencher w/Demountable Cable Plow & Various Chutes & Access., 1982 Eager Beaver 20-Ton Equipment Trailer (T.A.), 1977 General 4-Ton T.A. Trailer, 1975 Dow 10-Ton Tri-Axle Trailer, 1973 General 9-Ton Tri Axle Trailer, (3) On Site Construction/Office Trailers.

DUMP TRUCKS, FLAT & UTILITY TRUCKS

1981 GMC 7000 Utility Truck w/12' Fully Enclosed Body, 1979 GMC 1-Ton 10' Flat Bed Truck w/Utility Boxes & Storage Racks, 1978 GMC 6400 12' Flat Bed Dump Truck, 27500# GVW, 1977 Chev. C-60 Dual Wheel Dump Truck.

AIR COMPRESSORS, TOOLS, SHOP EQUIPMENT

(1) 5x6 Tag Along Carpenter Trailer Complete w/2 H.P. Air Compressor, Pastode Air Nailers, 10" Radial Arm Saw & 6" Jointer; (1) Tag Along Air Compressor w/Jack Hammer & Acess., Homelite Portable Gas Generator, 48" Concrete Finishing Machine, Kerosene Heaters & Salamanders, Emglo Air Compressor, Generator, Power Tampers, Masonry Pans, Wheelbarrows, Backhoe Buckets, Scaffolding, Lawn Mowers, Power & Hand Tools, Jacks, Transites & Tripods, Welders, Steam Jenny, Battery Charger, Chain Saws, Shovels, Rakes, Ladders, Cabinets, Doors, Windows, Insulation, Metal Bldg. Parts, Stringers, Tie Bars, Braces, (1) G.E. 2-Way Radio w/Base Station & 7 Mobile Units.

INSPECTION TUESDAY MAY 21 10 A M to 2 P M
TERMS CASH OR GUARANTEED FUNDS-DEPOSIT REQ
COMPLETE PAYMENT DAY OF SALE
PA AUCTIONEERS LICENSE NO AU000175L

PUBLIC AUCTION

FARM MACHINERY
MONDAY EVE., MAY 20, 1985
at 5 P.M.

The undersigned will offer at public auction located at Bixler's Church on Bixler's Church Rd., off of route 496, which is the New Bachman Valley Rd., midway between route 30 & 97, 5 mile north of Westminster, Md. The following:

FARM MACHINERY AND TRACTORS

1650 Oliver diesel tractor, 770 Oliver gas tractor, 88 Oliver gas tractor, A Farmall tractor with mower, plow & cultivators, N.H. 273 baler with thrower like new, Oliver 74 two row mounted corn picker, Arts-Way #425 grinder & mixer with corn sheller attachment, N.I. #272-7 ft. cutter and conditioner, N.I. #400 side rake, N.H. #256 side rake, Oliver #33 self propelled combine with 12 ft grain head, Fox single row forage harvester, Fox P.T.O. blower, J.D. #16A flail chopper, Cunningham hay crusher, Cunningham fluffers, J.D. 214 chuck wagon, J.D. 14 ft. bale wagon, Knowles 14 ft. bale wagon, J.D. wagon with grain sides, M.F. 3 pt. 3-16 trip bottom plows, Ferguson 10 ft. chisel plow, Pittsburg 32 transit disc harrow, 12 ft. lever harrow, spike harrow, 10 ft. cultipacker Deerborn 3 pt. 2 row cultivator, Century 6 row field sprayer, 14 ft. grain auger, with 3 H.P. electric motor, belt elevator, cement mixer, Remington chain saw, Diston 2 man chain saw, milk cans, horse hames, power reel lawn mowers.

Wagon load of small items and other items.

1954 International truck with hoist, 14 ft. bed, 2 speed #R1723556.

Terms-Cash
Not responsible for accidents
Md.-sales tax on taxable items

Owner
JOHN J. BIXLER

Auctioneer's-Ralph Schuchkart
Jim Beaver
301-346-7523
Clerk-Miller

Lunch Stand

AUCTION

FOR EST. OF BENEDICT KOLENSKI, Dec'd
AT The Skippack Firehouse
Rt 113 (¼ mi So of Rt 73)
Skippack, PA

FRI., MAY 17, 1985
9:00 A.M.

ANTIQUES - Oak 3 pc. Bedroom Suite w/claw feet and lions head (a gem), two S Rolltop Desks, 1 w/pigeon holes, door & drawers on top; 3 double pedestal desks, Wicker Baby Coach w/parasol holder, sm. SAFE w/eagle, 1 hanging ceiling lamp, Victorian Settee w/2 matching chairs (Mother of Pearl inlay on mahogany), Oak washstand w/black marbletop & ceramic tile in the backslash; 3 ext. tables (2 w/claw feet), side by side, one bowfront & 2 bowed sides china cabinets, Keystone kitchen cabinet, slantfront secretary bookcase, jelly cupboard, Showers kitchen cabinet, three 2-door bookcases (one w/sliding doors); round ext. table w/open pedestal, plus another top; fireplace mantel w/reeded columns, hanging corner cabinet, 3 chests of drawers (1 w/door on top); four bureaus, 4 washstands, lamp & night stands, 2 sideboards, double beds, 3 pressed back rockers (2 have caned seats), press & high back chairs, captains chairs, desk chairs, 4 file cabinets, library table, clothes tree, 2 treadle sewing machines, wall telephone, brass bed, 3 National Cash Registers (1 brass & 1 painted), mirrors, pictures & frames, Majestic wooden & copper tub washmachine, copper clothes tree, apple kettle, gum ball machine, lamps include parlour & bronze figurine base, cherry stoner, iron kettle, agate pail, crocks, jugs, fireplace tools, tinware, carriage lamp, earthen chick waterer; **GLASSWARE** include carnival dishes, tiffany type lamp, swirl opalescent lamp chimney; blown water pitcher, bottles, jars; **CHINA** include soup tureen, platters, plates, bowls, blue wash bowl & pitcher; **MISC.** - 1978 B&G Mother's Day Plates, Beam bottles, platform & beam scales. **TERMS-CASH.**

PA No. AU-001117-L
723-1171

LUNCH

Sanford A. Alderfer, Inc.
REAL ESTATE BROKERS and AUCTIONEERS
665 Harleysville Pike (Rt 113)
Box 1 Harleysville, PA 19438

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT MAY 11 - 9 30 AM Public Sale of Farm Mach., Livestock, Guns, Hshld, etc Located approx 3 mis S of Shippensburg, PA, if leaving Shippensburg on S. Queen St Extended, cross Rt I-81, 1st road to right to sale site Sale by Mr & Mrs Leroy Koser. D. Hershey, A. McLaughlin, C Martin, Auctioneers

SAT MAY 11 - 11 AM Complete Dispersal of Cattle & Mach Located 9 mis W of Monroeton, PA, on Rt. 414, 1 mi E of West Franklin, PA Mr & Mrs Merle S. Randall, Owners Robert M Shaylor Sales.

SAT. MAY 11 - 10 AM Public Sale of Antiques & Personal Property Located 1912 St Thomas-Edenville Rd., 2½ mis NE of [illegible] 8 mis W of Chambersburg Samuel H Burkholder Estate Lynn A Dietrich, Auctioneer

SAT. MAY 11 - 8 15 AM Public Auction of Valuable Real Estate & Antiques Located 461 W Vine St, Lancaster City, PA. Sale by Elmer R Miller E M Murry Assoc. Auctioneers

SAT MAY 11 - 6PM 11th Annual Western PA All Breeds Sheep & Club Lamb Sale Mercer Co 4 H Park, Mercer, PA 1½ mis N of Mercer on Rt 19 & about 4 mi from I-80 & I-79 Sponsored by Co Sheep & Wool Grower's Association of NW Pennsylvania

SAT MAY 11 - 10 30 AM Auction of Turkey Eq., Unit for Walk-in Freezer, Guns, Quilts, Antiques Located 1 mi E of Rehrersburg along road to Strausstown, or take Rt 419 N from Womelsdorf, travel 8 mis past the traffic light to next cross road, turn E on Strausstown road to sale, Berks Co Conditions by Vernon J. & Mabel Snyder Paul E. Bixler, Auctioneer

SAT MAY 11 - 9 AM Public Sale of Farm Mach, Antiques, Hshld Goods & PU LOCATION: From the square in Newport, follow Rt 34 N. 2 7 mis to Bucks Valley Rd., turn right and follow this road 2.2 mis to sale site Clarence E. Black Estate Ed Shull, Auctioneer

SAT. MAY 11 - 9 AM Public Sale of Antiques & Hshld. Located at Mechanicsburg, RD. PA From Rt 11, take Rt 114 towards Mechanicsburg, turn right on Mullberry Drive, just past Morgan Millworks turn right in lane. Mrs. Barbara Enck, Owner. Klings Auction Service.

SAT MAY 11 - 9:30 AM Public Auction of Hshld, Antiques, Real Estate. Located on Schoolhouse Hill Rd., just off PA Rt. 87 at Millers Store, 8 mis W of Tunkhannock via Rt 6 & 87 Mehoopany, PA, Lycoming Co By Marian Manning Bunnell Auction Service, Auctionioneer

SAT. MAY 11 - 9 30 AM Walter Burford Complete Dispersal of Butcher Eq, Bar & Rest Eq, Old Items, Misc, Mach Located McGowan Rd Use Exit #8 off I-81 to Whitney Point, then Rt. 79 S. 4½ mis to Itaska Turn to Barker Hill Rd., cross bridge, ¼ mi to McGowan Rd Mel Manasse, Auctioneer

SAT. MAY 11 - 11 AM Spring Farm Machinery Auction Located Bill Mead Farm at Heart Lake, PA ½ way between Montrose & New Milford, PA, off Rt. 706 Selling for Mr. Tony Raciborski. Bill Mead, Auctioneer

SAT MAY 11 - 9 AM Complete Dispersal of Cattle & Machinery Located Take Rt. 13 to S. Cortland turn onto Bennie Road or take Rt. 215 S of Rt 13 in Cortland, approx 2 mis to Bennie Rd Goodale Farms, Owner Empire Livestock Marketing Cooperative, Inc

SAT MAY 11 - 11AM Tag Farm Complete Cattle Dispersal of 165 Outstanding Grade Holsteins Directions Shenango Co, approx 55 mis N of Binghamton from Rt 12 2 mis N of Sherburne turn E on Shawler Brook Rd, for 4 mis then S on Casey Rd, 1 mi to farm Kerry Dart, Auctioneer

AUCTION

Location: 1 mile North of Borough of Hughesville, PA. Just off PA. Route 220. 20 miles East of Williamsport PA.

SATURDAY, MAY 18, 1985
9:30 A.M.

Having sold their farm Mr. & Mrs. Swartz have commissioned us to sell at auction a 40 yr. plus accumulation.

ANTIQUES, COLLECTIBLES & HOUSEHOLD GOODS

Brief Listing: 3 pc. High Oak Bedroom Suite - Oak wall phones - wood rocking horse in frame - 3 gal. Cowden & Wilcox cake crock with flower, plus other crocks & jugs - postcards - low drysink with paneled door - sq. oak table with 7 bds. - unusual goosewing axe - advertising cards - mission style oak furniture - kero. lamps Rayo, Alladin, Mini. Bullseye etc. - coffee grinder - cast kitchen items - 2 pc. dry sink cupboard - spongeware - bird prints by Arthur Singer - pressed back rockers - advertising tins - graniteware - platform scales - blacksmith anvil - 1932 Plymouth rad. cap - etc.

— Oliver 60 Tractor —
1969 Mustang Grande, Classic, Licensed & Inspected.

TERMS: Cash or Good Check.
Lunch Available

Sale By:
ARTHUR AUCTIONEERING
Wayne Arthur, Licensed and Bonded Auctioneer
License No. AU-001752-L
R.D. 2, Hughesville, Pa. 17737
Phone (717) 584-3697

Member of Local, State & National Auctioneers Assoc.

GOOD'S AUCTION

111 N. Maple Ave. Leola, Pa.
Hay and Straw Sales Every Wed.
At 12:00 Noon
Farm Machinery Sales
1st and 3rd Wednesday of each month February thru October Starting at 9:00 A.M.
All kinds of building material at 11:30 A.M.
All small items must be sold off trucks. No household goods.

GOOD'S AUCTION
111 N. Maple Ave.
Leola, Pa. 17540
Business Hours: 7:30 to 5:30,
Closed Sat. & Sun.

PUBLIC SALE

OF HOUSEHOLD GOODS, BUTCHER TOOLS, ANTIQUES
DENVER-REAMSTOWN AREA
TUES. EVE., MAY 14, 1985
At 5 P.M.

Located along Denver Road, East Cocalico Township, Lancaster Co., Pa. (Directions: Rt. 272 at Turnpike turn west onto Cocalico Road).

Pine Corner Cupboard-(Reproduction); Antique Cradles; Maple Dining Room Set; Waterfall Bedroom Suite; Cedar Wardrobe; Mahogany Card Table; Philco Refrigerator; 30" Electric Stove; Oak Table Top; Wooden Tubs.

CHINA & GLASSWARE — Iron Fry Pans; Flat Irons; Crock; Pictures.

BUTCHER TOOLS — Electric Grinder; Lard Press; Sausage Grinder; Scalding Trough; Tripod; 3 IRON KETTLES; Meat Saw; Cleaver; BRUNNERVILLE BUTCHER FURNACE; **Tools:** Block & Tackle; Bench Vise; Wrenches; Wooden Clamps; Block Plane; 32' Extension Ladder; Stepladders.

7 H.P. JOHN DEERE RIDING TRACTOR Genie Garage Door Openers; Cherry Plank, Barn Siding; Corn Sheller; Wooden Rakes; Animal Traps.

TERMS BY
JOHN K. STEFFY

T. Glenn Horst, Auct.
859-1331 — AU000438L
Timothy G. Horst, Auct.
738-1245 — AU001767L

ANNUAL AUCTION SALE

Clarks Summit, PA, Lackawanna Co.
Located at Buranich John Deere on Cherry Hill Rd., 4 mis. East of Salls, PA, 7 mis. SW of Clarks Summit & 2½ mis. W. of Newton.

SATURDAY, MAY 11, 1985
10 A.M.

An Auction with something for everyone.
Machinery-Lawn & Garden-ANTIQUES

White 270 tractor w/canopy, 200 hrs. (like new); Ford 901 Workmate, WF, A#1; Farmall H; MH Pony w/attachments, 16' Taylorway transport disc; baler; haybine; 3 pt. side rake; JD 1010 dozer; JD 440 skidder; new 6' box scraper; back blade; transplanter; 2 JD snowmobiles; used riders including; Ford LGT hydro, AC 310 w/mower, JD 300 w/deck, JD 110 8HP, new Yardman 11HP; new Yardman 5HP tiller; 1972 Chrysler stationwagon; new rope; sockets sets; nuts & bolts; pipe; JD 215A power washer.

Walnut china cabinet, jelly cupboard, carved love seat, tavern tablke, set of 4 chairs; wooden wash tub; wood sap bucket; neck yoke; glassware; pewter; dinner bell; scales; lanterns; crocks & jugs, 1 w/blue; and many other good items.

Terms: Cash or good check

BURANICH LEISURE
Clarks Summit, PA
717-587-4039
Wayne Weaver, Auctioneer
984L
RD2
Tunkhannock, PA
717-333-4194

If you wish to consign, please call one of the above numbers.

Lunch

PUBLIC SALE

Located 7 mi. south of Carlisle, PA on Rt. 11 or 3½ miles north off I-81 at Newville interchange on Rt. 11, then 2 mi. east on Stone House Rd.

SATURDAY EVENING, MAY 25, 1985
7:00 P.M.

100 - Head Feeder Cattle - 100

Consisting of beef type steers and heifers including Charolais, Hereford, Angus, Holstein, Limousin cross and other good cross breeds.

Cattle all home raised with good quality and weighing approximately 200-700 lbs.

8 Shoats weighing 80 lbs.

Machinery to be sold on consignment and will be selling first. This machinery listed is 3 years old or less and in good shape.

New Holland hay baler 315 with kicker, 2 Grove hay wagons with racks - 16 ft. high sides, New Holland 489 haybine, John Deere 428 - 36 ft. elevator with 1 horse motor, John Deere 215 disk, John Deere 8250 grain drill - 14 disk, cultipacker, John Deere 6 ton running gear flat wagon - 18 ft. bed, Badger spreader - 196 bu., Massey Ferg. 9 ft. hayrake, Case Helix wagon, Case flail chopper, Massey Ferg. 285 diesel tractor - big wheels & wheel weights - less than 75 hours, 5 ft. heavy bucket - fits almost everything.

Some machinery may be sold before sale date and other consignments of machinery added to sale.

LEWIS R. FINK
269 Stone House Rd.
Carlisle, PA 17013
Phone (717) 249-3324

Auctioneer: Robert C. Mullendore
Clerk: C.L. Metz

TERMS: Cash - Not responsible for accidents
Lunch Stand

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT MAY 11 - 9AM Public Auction of 18 Old Gas Engines, Tools, Troy Bilt Roto Tiller, Antiques, Hshld. Mr. & Mrs. Charles Morrell, Mellics Woods Rd., Springtown, NJ. From Milford, NJ. Take Rt. 519 N. for 6 mis or from Phillipsburg 519 S. for 2 mis. to Mellics Woods Rd Kachmar Auction Service

MON. MAY 13 - 11 AM The Complete & Guaranteed Dispersion of Delaware's Largest Angus Herd. R.A. Boyoer Refuge Farm Angus Herd at Odessa, DE. Selling 90 Performance Proven Young Spring Calving Cows. R.A. Boyer, Owner Bill Wooleyhan, Mgr.

MON. MAY 13 - 11 AM Public Auction of Juniata Printing Co., Printing Eq. & Automobile. Located 102 N. Main St., Mifflintown, PA. Auction ordered by Small Business Administration Kerry Pae Auctioneers.

TUES. MAY 14 - 4 PM Farmersville Auction in Farmersville, 3 mi. E. of Brownstown, Lanc Co., PA

TUES MAY 14 - 5PM Public Sale of Hshld Goods, Butcher Tools, Antiques. Located along Denver Rd., East Cocalico Twp., Lanc. Co , PA. Rt 272 at Turnpike turn W onto Cocalico Rd. Terms by John K Steffy. T Glenn & Timothy G. Horst, Auctioneers

TUES. MAY 14 - 6:15 PM & WED. MAY 15 - 9 AM Public Auction of Valuable Real Estate & Antiques Located just E of Lititz, PA, Warwick Twp , along Rt 772. Real Estate by Manheim National Bank Personal Property by Sylvan B & Carol M Brandt E M Murry Associates, Auctioneers.

TUES MAY 14 - 6 30 PM Robert Matthews Mach , Milking & Barn Auction Located Holcomb, NY, on Briggs Rd., 5 mis S of East Bloomfield. Turn S. at Holloway House onto County Rd 40 in East Bloomfield, off Rt 5 & 20 William Kent, Inc , Auctioneers.

WED. MAY 15 - 5.30 PM Public Auction of Real Estate, Antiques & Collectibles, Hshd & Misc. Locate din Borough of Berrysburg, PA. along Rt. 25. Estate of M.C. Harner Dockey, Dockey, Deppen, Auctioneers

WED. MAY 15 - 4PM Public Auction of Lawn Mowers, Farm Tractors & Eq Located 860 Graffius Rd , York, PA. 3½ mis N. of Rt. 30, Intersection onto Bull Rd , ½ mi S. on Bull Rd. from Hakes Store. Wm. Graffius, Owner. Blaine N & Nevin B Rentzel & Ed Miller, Auctioneers

WED. MAY 15 - 10 AM Auction for Rupert & Amy Mechler at The Skippack Firehouse, Rt. 113 (¼ mi S of Rt. 73), Skippack, PA Sanford A. Alderfer, Inc.

PUBLIC SALE

OF FARM EQUIPMENT

on the farm located 5 miles west of Chambersburg, Pa., take Rte. 30 west to Rte. 995 at Sunnyway market, take 995 south to Leafmore Road, turn west on Leafmore Road one mile to farm on

WEDNESDAY, MAY 15, 1985

Sale at 1 P.M. D.S.T.

TRACTORS — TRUCK
S.P. COMBINE - ETC.

Int. 856 Turbo Diesel, 3 pt. double P.T.O., wide front; Case 800 gas, eagle hitch; Case 300 gas with Case loader, M.H. 44-6 cylinder gas, line hyd.; M.H. cults.; 1963 Chev. 80 series truck, 14' dump bed for grain; 1977 Massey Ferguson 510 self-propelled combine with cab, 13 ft. grain head; 4 row wide corn heads sell seperately; Int. 400 Cyclo No Till planter, narrow row, Gandy attach.; J.D. F-B 15x7 drill; Int. No. 8 flail chopper; Century 200 gal. sprayer; Case 10' transport disc; Int. 19 B disc; J.D. light disc; Case 3 pt. 9 chisel plow; Cobey 8 and 9 ft. packers; N.H. 24 ft. elevator; Case 3x16 in. 3 pt. plow; Case 3 pt. mower; Grove self-unload forage wagon; Grove wagon and flat; Ford cults; Ford 3 pt. harrow; weights, cylinders, 2 wheel trailer, drag, mineral feeder, 2 hole cattle waterer, 125 gal. plastic tank, one and three bu. size seeders, cattle oiler, feed cart, milk cans, iron kettle, glass pipe line, AM and FM tractor radio, phone insulators, etc

AUCTIONEERS NOTE: Combine and most tractors and equipt. in good condition. Be on time as not a lot of small items.

Terms: Cash or Good Check
Lunch at Sale

CHARLES W. MYERS, Owner
2589 Leafmore Rd.
Chambersburg, Pa. 17201
Phone 717-263-1843
Ralph W. Horst, Auctioneer
Lic. AU000437-L

SMALES FARM
PUBLIC AUCTION

Lymanville, Pa.
Susq. Co.

Having sold our farm we will offer the following personal property. Located in Lymanville halfway between Lynn and Keiserville, 8 miles N. of Tunkhannock, 5 miles S. of Springville off Rt. 29. Watch for auction arrows.

SATURDAY, MAY 18, 1985
-12:30 P.M.

Farm Equipment: 3 tractors-IHC 966 Diesel-excellent only 3000 hrs., IHC 706 gas-good, IHC 464 gas-Ex-1000 hrs., IHC 4 b-auto set-semi mt plows-Ex., IHC 13' Disc harrow-Ex., IHC transportable spring tooth harrow, Westgo rock picker-Ex., IHC 720-2 row corn chopper-total electronic,-Ex.

IHC 56-4 Row corn planter-excellent-IHC 16' silage wagon, IHC 50 blower, 16' silo unloader w/winch & cable, 10' silage conveyor, 14' silage conveyor weaverline silage elec-cart, elevator 100' mow conveyor, IHC-540 manure spreader, 2 acorn gutter cleaners, 2 exhaust barn fans w/thermostats, 2 intake fans, sunset 750 gal Bulk tank w/new 5 hp. Compressor-under warranty, Klenzade auto tank washer, wash vats, 80 gal elec-water heater, 21 cow mats, 25 water bowls, 2-4 stall solar calf kennels, L.P.S. feeder, fly fogger, Sunbeam cow clippers-new, bates breeding wheel, 16x60 Hohn silo, 16x50 Madison silo, Starline 16' silage unloader complete 30' corn silage in 16' silo, J.D. tractor operated log splitter and small tools. 1963 Blk. chevy Cowair Coupe.

Auctioneers Note: All the above equipment is in top condition and ready for spring planting.

Terms- Cash or good check day of sale

Owners,
ELMER & CONNIE SMALES
Meshoppen, Pa. RD
Ph 717-965-2016
Bunnell Auction Sales AU-000114L
Poulsen & Weaver Auctioneers
AU0001532L-AU000159L
Lunch Served

SHORT NOTICE SHORT NOTICE

AUCTION

OF FARM EQUIPMENT
THURSDAY EVE., MAY 16, 1985
5:00 P.M.

LOCATED: Off Int. 83 at Exit 18 (south of Harrisburg, PA.), go west on Rt. 114 - 1 mile, Watch for Signs, turn in lane to left. Wayne Prowell Farm.

Ford 5000 Diesel tractor w/power steering, Ford 8N tractor, Ford 3x14 Trip Back plow, 32 Blade Transport Disk, Ford 3 pt. 2 row Corn Planter, Brillion Cultipacker, 3 Section Spring Harrow, 2x3 pt. Plow, 2 row 3 pt. Culti., John Deere 2 wheel Manure Spreader, 2 Flat wagons, 1 Gravity Bin & wagon, David Bradley elevator, TSC elevator, 3 pt. Post Hole Digger, Int. 45 PTO Baler, David Bradley Hay Rake, 5 ft. 3 pt. rotary mower, 3 pt. Scraper Blade, Boom Pole, Ford Garden Tractor & Mower, 3 pt. Spinner Seeder, Massey Harris Clipper Combine w/bin, Dearborn Sickle Bar Mower, Corn Sheller, circle saw, feed cart, Cyclone Seeder, endless belt, harrow teeth, and misc. items.

1979 Ford ½ Ton, 6 cylinder, straight stick Pick-up.

TERMS: CASH OR GOOD CHECK.

AUCTIONEER:
Blaine N. Rentzel & Son.
Emigsville, PA
717-764-6412
PA. Auctioneer's Lic. #761 & 1442.

PUBLIC SALE

OF REAL ESTATE, TOOLS, BELL COLLECTION, COINS & HOUSEHOLD GOODS
BROWNSTOWN--SANDY BEACH
THURS., EVE., MAY 16, 1985

SALE TIME: 4 P.M.
REAL ESTATE: 7 P.M.
COINS: 8:30 P.M.
HOUSEHOLD GOODS TO BE SOLD FIRST,
TOOLS AT 5:30 P.M.

Located Along Rt. 272 Between Akron & Lancaster, West Earl Township, Lancaster Co., Pa.

PERMASTONE RANCHER
With Garages & Workshop

Oak Ext. Table; 4-Leg Drop-leaf Tables; Pine Blanket Chest; Cedar Chest; Oak Wash Stand; Refrigerator-Freezer (Lower Freezer); Maytag (Sq. Tub) Washer; Dryer; Needlepoint Pictures; Marble-Top Table; Cane Seat Chairs; Gingerbread Mantel Clocks; Braided Rugs.

Lg. Collection Of Brass Hand Bells, China & Other Bells, Sleigh Bells, Gong Bells

Slaw Boards; Butcher Pans; Large Copper Kettle; Iron Kettles; Iron Trough; Butcher Tools; Express Wagon; Yard Ornaments; Marlin 22 Ga. Model 56 Rifle.

GOOD AMOUNT OF FIESTA--Teapot, Maestricht; Mary Weaver Ceramic; Stangl Pottery; Fostoria; Agate Coffeepot; Copper Teakettles; Crocks & Jugs; BRININGER POTTERY.

TOOLS

ALLIS CHALMERS 10 H.P. RIDING TRACTOR with Snow Blower, **ROTO-TILLER;** Mulcher-Shreader; Tractor Cart (Tilt Bed); Rotary Self-Propelled Lawn Mower; 10" **DELTA RADIAL ARM SAW; SPRUNGER DRILL PRESS;** B&D Band Saw (New); Bench Grinder; Bench Vises; DeWalt Turning Lathe; Drills; Belt & Orbital Sanders; Doweling Jig; Sabre Saw; Router; Dado & Moulding Heads; Bar & "C" Clamps; Shop Vacuum; Wood Bench; Oak Machinist Tool Cabinet; Machinist Tools; Tool Boxes; Socket Set; Planes; Wooden Ext. Ladders; Stepladder; Ladder Jacks; Ext. Plank; Floor Jack; Battery Charger; Reddiheater; Mud Box; Adz; Drawing Knife; Log Chain; Fishing Equipment.

COINS - At 8:30 P.M. - 30 Silver Dollars; 85 Silver Halves; 120 Silver Quarters; 300 Silver Dimes; 5-$5 U.S. Notes; $1, $5 & $10 Silver Certificates.

TERMS BY:
CHARLES L. BEAM
T. GLENN HORST, AUCT.
AU-000438-L-859-1331
TIMOTHY G. HORST, AUCT.
AU-001767-L-738-1245
GEORGE MORGAN, ATTY.

PUBLIC SALE

OF FARM MACHINERY, AND SHOP TOOLS
SATURDAY, MAY 25, 1985
10:00 A.M.

LOCATION: Cumberland Co., Pa. — From Shippensburg take Rt. 696 North to Mud Level Rd.; turn right and follow to sale. Sale signs posted day of sale.

FARM EQUIPMENT

John Deere 3020 Diesel, Row Crop
Massey Harris #60 self-propelled Combine

Rhino 131 11' disc	Massey Harris Grain drill
J D. 4-16 automatic reset plow	2 bottom plow
N H 273 baler w/thrower	Bin Wagon
9' cultipacker	N I Hay rake on steel
10' disc	16' hay wagon
Field sprayer	Perry Harrow
New Idea 206 spreader	Old bale elevator
McCormick-Deering hayloader	Hog feeder
Wheelbarrow	Seeder, 3 pt
Walking plow	Wood saw
Clipper seed cleaner	8' disc

WEBER 2-HORSE FARM WAGON

MISC. ITEMS

Saws, Ext ladders, digging iron, bolts & nuts, hand tools, grindstone w/motor, shovels, chains, wagon load of small items

AUCTIONEERS:
Melvin Sensenig — 776-5054
Lamar Sensenig — 532-9160
Lic. #AU-001803-L &
AA-000926-L
Clerks: Eberly & Witmer

SALE BY:
J. CLIFFORD & LILLIAN G. PILGRIM
Shippensburg, Pa.

TERMS: Cash or good check, I.D. Required.

LUNCH PROVIDED — NOT RESPONSIBLE FOR ACCIDENTS

PUBLIC AUCTION

SATURDAY, MAY 18
9:00 AM to 3:00 PM
SUNDAY, MAY 19
10:00 AM to 3:00 PM

Walter Schubauer Farm & Warehouse Shirks Church and Coon creek Roads RD#1 Palmyra, Pa. From Exit 28 on I-81 go south on Rt. 743 approx. 2 miles to Colt road follow signs to auction. From Palmyra go approx. 5 miles north on R.R. St. to Shirks Church Road, Turn right 1 mile to auction.

Saturday Sale will include a very large quantity of all types of electronics equipment, oscillo scopes, meters, power supplies, Lab, Video etc. Office equipment microfisch, blue print, copiers, 25 Filing Cabinets, 30 Formica wall desks, 15 memory computers, Miles of electrical wire, 500 pieces 4" stove pipe, electric motors, airtools, palletiack, lab balances, commercial trash compactor, paper shredder, fire extinguishers, steel shelving, Tools and parts.

Sunday Sale will include Spotwelding seam welder, Miller 8 station production welders, P & H stickwelder, welding wire, miniature Unitek spotwelder, All types of Machinery including Table saw, cut off saw, surface grinder, balancer, pipe threaders, sun test stand, bailing press, air compressors, floor sander, new acetylene generator, Kiney high vacuum pumps, dough mixer, heattreating furnaces, 2 battery and 2 engine forklifts, 8 battery carts (all need work). Pumps, hydraulic cylinders, Tires, Steel cabinets, racks & Tables, Large Gate Valves, Aluminum windows, 26 square aluminum siding, carrier heat pump, New Large refrigerator compressor, New Hercules Diesel Engine, Parts Washer, elec cable hurst, over 100 sections pallet racks.

This Sale represents the entire inventory of a large Government Warehouse Removed to Walt Schubauer's Warehouse for auction. Phone 865-3082, leave address and we will send a more complete listing. · Pre-Auction Inspection Friday 17 May 8:00 AM to 5:00 PM

John T. Ensminger
Auctioneer AU254L

PUBLIC AUCTION

ED & DAVE

SATURDAY, JUNE 8, 1985

AT 10:00 A.M.

Located In R.D.#1 Millersburg, PA. Approximately 3 Miles East Of Millersburg, On Route 209, Or 5 Miles West Of Elizabethville On Route 209 And ½ Mile North On Landis Drive At The Free Grace Church. (Watch For Sale Signs The Day Of Sale.)

FARM MACHINERY

CODE: JD, John Deere; NI, New Idea; DB, Deerborn.

JD 720 diesel tractor, JD 3020 tractor with cab, JD 16" 3-bottom plow, JD 14" 3-bottom plow, JD 16" 4-bottom trail plow, JD 14' transport disc, JD 9-shovel field cultivator, JD 3-section level harrow, NI 279 9' hay cut conditioner (like new), JD 640 hay rake, JD 24T baler with thrower, JD 14T baler, DB hay rake on rubber, two high rack hay wagons, JD 246 3-point two-row corn planter, JD (B) quick attack cultivator, JD #10 flail chopper, New Holland 6' forage harvester, International 5' PTO forage harvester, International 51 forage wagon with JD running gear, New Idea 101 PTO 2-row pull type corn picker, Hayoleen silo blower, JD 33 PTO manure spreader, 2 flatbed wagons, dump wagon with David Bradley running gear, army flat-bed wagon with 2-end steering, Brillion 9' cultipacker, JD 8' disc, Deerborn 3-point 16' weeder, Oliver 4-section lever harrow, King 32" hay elevator, Cardinal 16' grain elevator, New Idea ground scoop, 4 Minneapolis Moline (model L) unit tractors (2 with corn pickers), 10" PTO post hole digger, cement mixer, Wisconsin model V54 engine, power unit 9E95B run with 4-cycle Willy's engine, Midland railroad scoop, 2 tractor rims 15-15x38 for John Deere, 2 new 15-15x38 tractor tires, truck chains, etc.

MACHINERY FOR PARTS

4 John Deere model A tractors (all nearly complete), John Deere 17-hoe grain drill, John Deere manure spreader, tank spreader (tank OK), lime spreader, International manure spreader, Minn Moline corn picker and sheller, John Deere #15 flail chopper and others

HAY AND CORN

2 mows of mixed orchard grass and altalta hay, approximately 10 ton of ear corn.

TRUCKS

1964 Willy's 4-wheel drive pickup truck with 7 ft. snow blade (running and inspected); 1948 Chevy 2-ton dump truck (as is); Craftsman 8 HP riding mower with 36" mower

SAWMILL

One-man Bellsaw saw mill SPECIAL NOTE Saw mill is located at a different location. Suggest you inspect before the day of sale. Will be offered from site of sale FOR INSPECTION OF SAWMILL call 692-4971

BUTCHER & DAIRY EQUIPMENT

2 copper kettles, copper kettle with 4 star paddle, iron kettle, Universal #805 meat grinder, Universal #22 meat grinder, Enterprise #52 meat grinder on stand, sausage press, Surge 3-unit milk pump, Surge 2-unit milk pump, 3 DeLeVal Milker units, Deval stainless steel double tub, 4-can water spray milk cooler, 18 milk cans, cow slippers, large barn fan and other items.

FARM ACCESSORIES

PTO wrench, Dayton fifth wheel, 2000 gal. oil tank, 250 gal. overhead gas tank, windmill gear box fan and blades, 3 dump truck hydraulic cylinders, telescope hydraulic kit for dump truck, 2 hydraulic loader cylinders, Meyers deep-well pump jack, 2 sections of wooden pump pipe, water ram, 5 steel beams, 16'x10" lengths of 4" & 5" flat iron, 2 doz. steel eye beams (7½'), several 10' channel iron (3" & 4"), 2 cast porch posts (8'), 12 sections of curved steel guard rails and other rails, approx. 1 doz railroad ties, numerous section of ½" galvanized pipe, electric fence wire, some farm tools, numerous pounds of scrap iron and other items too numerous to mention.

SALE WILL BEGIN WITH A FEW SMALL ITEMS LARGE EQUIPMENT WILL BE OFFERED IMMEDIATELY. Please be prompt.

CASH & CERTIFIED CHECKS ONLY; Personal checks of established credit will be accepted or if known by auctioneer or owner.

Owners

MR. & MRS. EARL RAKER

Edwin Shoop, AU-000A42-L
Phone 717-896-8305
David Deibler, AU-001213-L
Phone 717-896-8530
Auctioneers

FOOD WILL BE AVAILABLE

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

ABSOLUTE AUCTION

2 1981 HARVESTORE SILOS
(1) 20x60', (1) 25x80'

SATURDAY, MAY 18, 1985

12:00 P.M.

Location: McMicael Service Center, Nokesville, VA.

Auctioneer: Ownby Auction Co.

Silos located at Candy Meadow Farm in Warrenton, VA.

Sparton unloader and Goliath unloader to be sold separately.

For information contact:

State Bank of Remington
703-439-3233
or
Ownby Auction Co.
804-644-5263

PUBLIC SALE

ANTIQUES, HOUSEHOLD GOODS, COINS, MASONRY EQUIPMENT, TRACTORS

MT. AIRY

SATURDAY, MAY 18, 1985

AT 9 A.M.

TOOLS TO BE SOLD FIRST-
COINS AT 4 P.M.

Located Along Girl Scout Road, West Cocalico Township, Lancaster County, Pa. Directions: Rt. 272 North Of Ephrata To Schoeneck Road At PP&L Service Center Turn West Onto Schoeneck Road And Continue To Schoeneck. Turn Left Onto Mt. Airy Road--Continue Three Miles To Girl Scout Road.

Spinning Wheel; Cord Winder; BALDWIN SPINET PIANO; TABLE TOP OAK VICTOR VICTROLA; 25" COLOR T.V.; CHERRY DINING ROOM SET; Maple Bedroom Suite; PERFECT SLEEPER Mattress & Box Spring; Lazy-Boy Recliners; Cheese Cutter Rocker; Marble Top Table; 20 cu. ft. Freezer; Automatic Washer Dryer.

Spinet Desk; Cherry Dropleaf Table; Antique Radio; Wooden Tub; Oak Table; Cuckoo Clock; Dehumidifiers; Office Desks; File Cabinets; Calculator; Bar Scales; Brass Front Scales; Ox Yoke.

6 PC. FLOW BLUE TOILET SET; Crocks, Jugs & Demijohns; GREEN SATIN GLASS GONE WITH WIND Light; 3 SATIN GLASS (HAND PAINTED); Vases & Jar; Ironstone Pitcher; Cake Stands; Kerosene Lights; Copper Bucket; German Plates; Figurines; Roseville China.

48 ANTIQUE ANTIQUE PLATES; Gaudy Welsh Feather; Florilla; Cleopatra; Snowflake; Aurora; Coffee Grinder; Brass Bucket; CABBAGE PATCH DOLL; Iron Dog.

Nippon China; Pressed and Pattern Glass; Glass Basket; Carnival.

Iron Tea Kettle; Washboards; Pie Paddle; Apple Peeler; Tin Ware; Flat Irons; Doll House; Butter Churn; Agate Ware; Brass Bells.

German Sword; Wooden Shaking Fork; B & G Anniversary Plates; B & G Bicentennial Plate; B & G PLATES; ROYAL COPENHAGEN PLATES.

Linens; Quilts.

TOOLS--Mason Equipment; 16 h.p. NEW HOLLAND TRACTOR; 210 JOHN DEERE TRACTOR; 69 UNIVERSAL GALV. SCAFFOLD-Panels & Braces; MORTAR MIXERS (Gas Engines, Stone Splitters; 28 Aluminum Corner Poles; Rubber Tired Wheelbarrows; Scaffold Planks; 14' LOW BOY TRAILER; Transits; Ready Heater; Extension Ladder; Levels; Mason Tools; Self-Propelled Lawn Mower.

12 ga. Shotgun· Large Bear Trap.

COINS--1972 through 1983 Proof Sets; Uncirculated Coin Sets; Silver Halves; Indian Head & Wheat Pennies.

TERMS BY

ROY W. GERHART

T. Glenn Horst, Auct.
859-1331--AU000438L
Timothy G. Horst, Auct.
738-1245--AU001767L

WED MAY 15 - 1PM Public Sale of Farm Eq Located 5 mls W of Chambersburg, PA, take Rt 30 W to Rt. 995 at Sunnyway Mkt., take 995 S. to Leafmore Rd, turn west on Leafmore Rd 1 mi. to farm Charles W Myers, Owner Ralph W Horst, Auctioneer

THURS. MAY 16 - 10 30 AM Public Auction of Construction & Line Eq For: New York State Elec & Gas Corp., Binghamton, NY. Vilsmeier Auction Co.

THURS MAY 16 - 4 PM Public Sale of Real Estate, Tools, Bell Collection, Coins & Hshld. Goods. Located along Rt 272 between Akron & Lancaster, W. Earl Twp, Lanc. Co, PA. Terms by Charles L Beam T Glenn Horst, Auct.

THURS. MAY 16 - 7 PM Public Sale of Real Estate, Tractor, Riding Mower, Snack Bar Eq., & Chairs Located in Village of Kirkwood, Colerain Twp, Lanc Co, PA, along Rt 472. Sale by: Raymond J Shaub Estate Howard Shaub & Roy C Probst, Auctioneers

THURS MAY 16 - 10 AM Public Auction of Cars, Trucks, Farm Tractors, Misc. Location Hwy Admin. Bldg. rear lot Rt 113, across from Blue Hen Mall, Dover, DE. Wilson's Auction Sales, Inc.

THURS. MAY 16 - 6.30PM Real Estate Auction of 295 acre dairy farm, Hamilton, NY. James & Esther Jones farm on Armstrong road. From Rt 12B in the center of Hamilton take the Lebanon road to Armstrong road Only 2½ mls from center of Hamilton, home of Colgate University. From Rt. 26 in Eaton, take River Road to Armstrong Road Parker Auction & Realty Co

THURS. MAY 16 - 9:30 AM Public Auction of Antiques, Tools, Furn & Misc. Located 441 W Chestnut St, Lancaster, PA. Sale for John C & Dorothy J Hendricks John H Cooper, Auctioneer.

THURS. MAY 16 - 5PM Auction of Farm Eq. Located. Off Int. 83 at Exit 18 (S of Harrisburg, PA), go W on Rt 114, 1 mi, turn in lane to left, Wayne Prowell Farm. Blaine N Rentzel & Son, Auctioneer.

FRI MAY 17 - 5.30PM Gap Auction. Antiques & Hshld Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt, cross RR bridge Ira Stoltzfus & Son, Auctioneers.

PUBLIC SALE

OF VALUABLE FARM MACHINERY, ANTIQUES, BUTCHER TOOLS & HOUSEHOLD GOODS

SATURDAY, MAY 25, 1985

AT 9:00 A.M.

LOCATION: Off I-83 Glenrock Exit #2, go West on Rt. 216 approx. ¾ mile to Rt. 111. Turn left and proceed 1½ mile to Haim Rd. Turn left and proceed to second hard road on left. Follow signs to sale.

FARM MACHINERY

John Deere #50 w/roll-o-matic & live PTO; 1947 John Deere (B), bought new on farm; 7' JD sickle bar mower #9; JD 3-section harrow; JD #44 plow; JD 24 blade drag disc; JD cultivators; JD mounted cultivators w/corn planter; New Idea 4-bar side delivery rake & tedder; New Idea 12A spreader; IH 14' flatbed wagon w/sides; Ontario 10 hoe grain drill, like new; 20' transport grain elevator; 8' cultipacker; Century mounted sprayer; Letz #6 plate mill; set of tractor chains; Mountville 2-hole corn sheller; JD cylinders; JD planter boxes; complete Fairbanks & Morris platform scales; 20' & 32' wooden ladders; cast iron troughs; 11 bags of shelled corn; gas cans; treddle grindstone; tools; harness; hames; 5-10-10 fertilizer; shovel plow; single & double trees; yolks; horse tongues; wooden barrels; hay ropes; stone fork; hay fork; hay knife; shovels; feed bags; signed cast iron seat; jacks; fencer; wire; lumber; iron pile; berry crates; peep feeders & waterers; brooders; mowers; chains; plus a wagon load of small items.

GAS ENGINES:

Leibernite stone mill
1½ HP International engine
1½ HP Hercules engine

BUTCHER TOOLS

Dove-tailed copper kettle; 2 butcher kettles; kettle ring; stuffers; Stillard scales; meat grinders; butcher bench; hog gallowses; hog scrapers; metal tubs; wooden tubs; saws; block & tackle; scalding trough; cleavers; hooks; several knives; steels; dippers; ladels; forks; and more.

ANTIQUES

Round oak pedistol table; 5 matching oak chairs & captains chair; oak dresser; cane seated rocker; reed rocker & chair; Domestic treddle sewing machine; oak collapsable wardrobe; pot belly stove; porch bench; butter churn; butter scales; butter print; milk cans; various sizes of crocks; King cream seperator; shoe lath; slaw cutter; ½ bus. measure; old tools; block blane; hand augers; sad irons; clover seed sewer; Hudson seeder; bong auger; cross cut saws; corn chopper; coal bucket; sugar bags; candy boxes; books and more.

HOUSEHOLD GOODS

9 pc. Maple bedroom suite; kitchen cabinet; school desk; crib; folding chairs; book shelf; lawn furniture; cot; window fan; ice cream freezer; display case books; several canning jars; plus more.

AUCT. NOTE: Machinery was well cared for and always kept in.

TERMS: Cash or good & approved check.

OWNERS:
MR. & MRS. VICTOR NEWCOMER
RD #2 New Freedom, Pa.
717-235-5035

AUCTIONEERS:
Melvin Haines 717-764-2241
Ralph Brenneman 717-741-1728
AU379L AA708L

Refreshments served.
Not responsible for accidents day of sale.

PUBLIC SALE

OF VALUABLE GARAGE EQUIPMENT-TOOLS ETC.

ON SATURDAY MAY 18, 1985

at 9:30 A.M. Sharp

In Craley, Penna. York County at rear of Craley Fire Co. The following garage equipment of the late Dean Runkle will be offered at public sale.

TRACTOR-GARAGE EQUIPMENT-TOOLS

Int 350 Diesel tractor with snow blade scoop & mower 3 wheel Hi fork lift row boat Matco digital engine analyzer Allen Model E 1206 combustion analyzer Bear headlight tester Fleet 3 000 lb bumper jack hydraulic & floor jacks car stands Fox 6 12 volt hi lo battery charger large overhead lubrication outfit Fay Scott Dexter machinist lathe Seneca Falls Mfg Co machinist lathe York Mfg Co Racine metal cutter heavy duty Reading chain hoist & rack portable chain hoist hydraulic press 2 large air compressors portable light Wisconsin Model S7D portable generator 1250 watt portable generator large air jack on wheels bushing grinder wheel balancer 2 anvils 200 amp arc welder welders helmets lots & lots of assorted welding rods metal work table acetylene tanks & truck acetylene gages large floor model drill press by York Mfg Co heavy duty 5 speed 1/2 H P bench type drill press Tire Matic tire changer by May Bros Mfg Co mower blade sharpener portable Power Kraft tool cabinets on wheels creepers grease drum Matco tool cabinets on wheels toolboxes bench vise 2 bench grinders spray guns exhaust fan Red Devil sander Zephyr drill Shopcraft 3/8 drill impact wrenches torque wrenches car finishing air tools tap & die sets bolt cutters log & truck chains chain saw portable welder J Deere engine large storage trailer assorted piles of scrap iron old frames old welders gas tanks tires 2 four drawer metal file cabinets odd radios & chairs fire extinguishers C clamps drain pan misc parts cabinets alarm system bolts & small hardware items small testers a good assortment of small hand tools & misc items used in & around a garage

Not responsible for accidents on day of sale
TERMS Cash or Approved Check
Parking next door on Fire Co lot
Inspection Fri May 17 2 P M to 7 P M

BETTY L. RUNKLE
Jacob A. Gilbert
Brian L. Gilbert,
Auctioneers
Pa. License #336 & #1269

Refreshments by Craley Fire Co.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. MAY 17 - 11 AM GJA Top Reg. Holstein Dispersal of 11VG's.& 25 GP's. For Geo. & June Alles, 1 mi. E of Flemington, NJ. On Spur Rt. 514 off Rt. 202 2nd farm left opposite Sun Ridge Development. Col Fred R. Daniel Auctioneers., Inc.

FRI. MAY 17 - 10:30 AM 300 Head of Reg. & Grade Holstein Heifers. Managed by: Shady Lane Dairy Sales, Inc., RD4, Box 463, Quarryville, PA 17566. Glenn D. & David L. Fite, Owners.

FRI. MAY 17 - 10:30 AM Complete Dairy Dispersal, 235 Hol. Cows & Heifers. Rocky Mount, VA. Ownby Auction & Realty Co.

FRI. MAY 17 - 11 AM Complete Farm Mach. Dispersal of Machinery. Located: On Old State Rd , 1 mi. S. of Mainesburg, PA. Winston M. & Shirley J Rumsey, Owners. Robert M. Shaylor Sales.

FRI. MAY 17 - 8PM Allegany-Steuben Calf & Bred Heifer Sale of 75 Head. Located Club Sale Barn, Canisteo, NY, on Rt 36, 10 mis. S. of Hornell, 5 mis. S. of Canisteo, NY. Sponsored by Allegany-Steuben Hol. Club Chairman: Dan Williams. William Kent, Inc., Auctioneers.

PUBLIC SALE

**OF MECHANIC'S TOOLS,
POWER TOOLS,
AUTO REPAIR TOOLS**

LITITZ, PA.

MON., EVE., MAY 20, 1985

At 5:30 P.M.

Located at 425 S. Broad St., Lititz, Pa. (Rt. 501)-Sale to be held rear alley.

Full Line Auto Mechanic's Tools; 1.5 H.P. AIR COMPRESSOR—Hoses & Gauges; ELECTRIC WELDER—30-200 Amp Selector; HYDRAULIC ENGINE LIFTER—Puller; Black Hawk Hydraulic Lift (Jack).

10" CRAFTSMAN RADIAL ARM SAW

(New) & Stand; ½ h.p. Bench Grinder; 1½ Ton & 3 Ton Floor Jack; Rockwell Drill Press; Large Bench Vise; Mechanic's Upper & Lower Tool Cabinets; 7¼" Circular Saw; ¼" & 3/8" Electric Drills; 3 Paint Sprayers; Soldering Gun; 1½ h.p. Router; 2 Milwaukee Buffer-Grinder; 3" Belt Sander; Orbital Sander; Welding Torches & Gauges & Hoses; Hydraulic Jack; Air Chisel Set; Rivet Gun; Auto Creepers; Tap & Die Set; Grease Gun; Tach-Dwell Gauge; Box & Open End Wrenches; Large and Small Socket Sets; Pipe Wrenches; Micrometer Set; Precision Pilot Reamers; Air Impact Wrenches & Chisel Set; Planes; Parts Bins; Come-Alongs; Chisels; many Auto Mechanic's Hand Tools; Chains.

24' Aluminum Extension Ladder; 10' Wood Stepladder; Ship to Shore Radio; Marine Toilet; Paints and Supplies.

7 H.P. SIMPLICITY RIDING TRACTOR with Mower Deck, Snow Blower, Chains; Tractor Lawn Sweeper; Trailer (2 Wheel-for-road).

Terms By
ELRO E. TOMLINSON

T. Glenn Horst, Auct.
859-1331--AU000438L
Timothy G. Horst, Auct.
738-1245--AU001767L

LEE D. DOCKEY AUCTIONEER
ESTATE LIQUIDATOR APPRAISER
R. 1 164 Pillow Pa 17080
Pho. e 758 6004

PUBLIC AUCTION

ESTATE OF M.C. (MERPS) HARNER

WEDNESDAY, MAY 15, 1985

5:30 P.M.

LOCATED IN THE BOROUGH OF BERRYSBURG, PENNSYLVANIA, ALONG ROUTE 25.

REAL ESTATE

2½-STORY FRAME HOME situate in the Borough of Berrysburg, Dauphin County, having a frontage of 268' along Route 25 and a depth of 213' along Heller Street... First floor contains MODERN KITCHEN WITH JENNAIR STOVE & MAYTAG DISHWASHER, LIVING ROOM, BEDROOM, LAUNDRY ROOM, HALF-BATH & FOYER... Second floor consists of LIVING ROOM, TWO BEDROOMS, KITCHEN & BATH... HEATED BY V&E HOT WATER OIL FURNACE... 1-STORY CEMENT BLOCK CAR GARAGE. For additional information or inspection phone 362-9681, 362-8521 or 758-6004. Real Estate will be offered at 7:00 P.M.

ANTIQUES & COLLECTIBLES

10-Pc. Depression Era Dining Room Suite; Oak Library Table; Piano Stool; Round Table; Assortment of Plank Bottom Chairs; Oak Case Sewing Machine; Regulator Oblong Wall Clock; Wooden Butter Churn; Sadirons; Iron Kettle; Cast Iron Butchers Kettle for Flowers; Enterprise Lard Press; Brass Bucket; Lantern; Rex Hand-Operated Sweeper; Cast Iron Wagon Rim Bender; Nash Adv. Sign; Model T Ford Bearing Hubcaps; Wooden Wheelbarrow; Approximately 15 Pcs. of Marigold Carnival Glass; Etc.

HOUSEHOLD & MISC. ITEMS

Frigidaire 200 Side by Side Refirgerator-Freezer; Frigidaire Electric Stove; G.E. Automatic Washer & Dryer; Shelvador Refrigerator; Kerosene Oil Stove; RCA Floor Model Color TV; 7-Pc. Maple Dining Room Suite; Maple Bar Chair; Two 2-Pc. Living Room Suites; (3) Recliners; Coffee Table & 2 End Tables; 3-Pc. Bird's Eye Maple Bedroom Suite; Wooden Picnic Table; 4-Pc. Wrought Iron Lawn Set; Meat Grinder; Mercury 7½ h.p. Motor; Misc. Items.

TERMS: REAL ESTATE - 10% DOWN. FURTHER TERMS AND CONDITIONS TO BE GIVEN DAY OF SALE. PERSONAL PROPERTY - CASH. PERSONAL CHECKS ACCEPTED ONLY FROM PERSONS HAVING AN ESTABLISHED ACCOUNT WITH AUCTIONEER OR APPROVAL PRIOR TO DAY OF SALE.

DENNIS L. HARNER, EXECUTOR
Allen Shaffer, Attorney
Auctioneers:
Dockey #AU229L, Dockey #AU1683L & Deppen #AU1957L

PUBLIC AUCTION

New Holland Sales Stables, Inc.
New Holland, Pa.

Tractors & Horse Drawn Farm Equipment-Supplies-Small Items

FRIDAY, MAY 24, 1985

SALE OF SMALL ITEMS 9:00 A.M. **FARM EQUIPMENT 10:00 A.M.**

New customers and out of state buyers must have current bank letter of credit with guaranteed amount or cashier checks

A list of your sale items must be in our office by May 14 to be included in our complete listing in the May 18th issue.

Abe Diffenbach, Manager
For more information contact Abe Diffenbach or Norman Kolb at 717-354-4341

NEXT FARM EQUIPMENT SALE FRIDAY, AUGUST 2

SALE UNDER TENT **RAIN OR SHINE! BRING CHAIRS**

PUBLIC AUCTION

SATURDAY, MAY 18, 1985

9:00 A.M. SHARP

W. Third Street, also known as Main Street, Mifflinville, PA. Watch for Auction Signs.

Selling the Estate of the late Nola Wark

REAL ESTATE — HOUSEHOLD COLLECTABLES — ANTIQUES — COINS

THIS IS JUST A PARTIAL LISTING OF THE ITEMS WE HAVE FOR SALE!

— ALL ITEMS IN VERY BEAUTIFUL CONDITION —
— LARGE COLLECTION OF MAJOLICA —.

Many Majolica pieces, such as leaf plate, pitchers of all sizes and shapes, 7" & 8" plates, platters, pitcher in shape of fish, pitchers with deer on sides, Toby mugs, colored boy playing banjo, many pieces of Majolica too numerous to mention, large collection of glass slippers all colors, sizes and shapes, corn vases in glass, vaseline, and opalescent, Colorado glass, Gaudy Welsh pitcher and cup and saucer, collection of toothpick holders (amethyst, frosted hobnail, and others), vaseline, daisey and button toothpick holder, 3-face toothpick holder, 3-face salt and pepper with pewter tops moon and stars on top, Bennington pitcher Rebecca at the Well, chocolate slag, carnival glass bowl orange with ruffled edge, daisey and button glass bell, costume jewelry, also 2 wedding bands, slide on chain with locket, gold plated fob, 10 carat topaz ring, many earrings, silver watch with chain and knife, child's old toy piano, children's books, horse whip, brass lamp with small arm, 3 quilts, blue, gray, and red, 2 pr of children's high button shoes, custard glass rose bowl scroll feet, glass chimneys, lamp parts, lawn furniture, lamp shades, oak shelves, castor bottles, wall towel rack, Agateware, tool boxes, German vases, peanut glass lamp base hand painted shade, glass frogs, Bristol lamp base, Orbleibs beer tray, old trunks and clothing, many hand painted plates, 4 royal Bayreuth hand painted plates, Shirley Temple pitchers, Gone with the Wind lamp electrified white and pink, large Gone with the Wind lamp floral and lilies of the valley on it, miniature Gone with the Wind lamp, large piano lamp, cat in boot made out of soap, oak corner what-not shelf, six oak chairs with set-in seats, child's wrap around plank rocker, chestnut dry sink with high back with 3 drawers and 2 drawers on bottom, old marble top table tall oval with white marble, many nice floor lamps, wood box with hinge lid, small wood boxes also, dough box on base, upholstered arm chair, other upholstered chairs also, brown marble top table, large brass bucket, 3½'x5' belveled wall mirror, very nice cherry bedroom suit (bed, dresser, chest of drawers), plank bottom chairs, maple bedroom suit (cherry stained) late victorian style (dresser, bed, washstand, bedstand, 2 chairs, and 1 rocker), wicker hamper, oak bed, high oak dresser with mirror, small walnut frame, 2 dressers from the 20's, platform rocker, very nice old sofa, marble top coffee table, mahogany dressing table, Sears Kenmore 17 cubic foot frostfree refrigerator freezer, apartment size electric stove, many beautiful good pots and pans never used and many other kitchen items, automatic washer, maple kitchen set (table and 4 chairs), tall rectangular marble top table, six very old mouth organs, washstand with 3 drawers, basket quilt brown background, patchwork quilt brown background, log cabin quilt with brown background, 19 inch portable color TV, complete hanging lamp, small washbowl and pitcher set, oak extension table with leaves, set of colored glasses in holder, set of colored dishes in holder, glass basket, sets of silverware, MANY, MANY BEAUTIFUL DISHES AND GLASSWARE (from Germany, Austria, Japan, many patterns and colors) JUST TOO NUMEROUS TO MENTION ALL IN BEAUTIFUL CONDITION!

COINS TO BE SOLD AT 1:00 P.M.

2 five dollar gold pieces, 1907 and 1891, silver dollars 1921 and 1922, 9 Eisenhower dollars 1971, Liberty half dollars 1944, 1946, 1906, Franklin halves 1952, 1954, 1962, 1963, six 1964 Kennedy halves, quarters 1943, 1947, 1964, Liberty dimes, 1903, 1905, 1886, 1928, 1937, Roosevelt dimes 1948, 1950, 1963, 1964, nickels, 1866, 1867, 1905, 1908, 3-cent piece 1852, 2½ cent piece 1888 foreign, large one-cent piece, indian head pennies, 1881, 1895, 1887, 1902, 1903, half cent 1826, wheat pennies.

REAL ESTATE AT 2:00 P.M.

A beautiful Victorian style frame home with a large lot 66' x 231', one car garage and small out buildings, on ground sewage, town water, 4 rooms down, 3 bedrooms and bath up, also convenient room downstairs, large basement and attic, oil baseboard heat, living room 28'x20' with 9' ceilings, beautiful eat in kitchen with birch cabinets, everything like new, downstairs completely wall to wall carpeted, out kitchen and small room downstairs, 3 large bedrooms upstairs, all closets cedar lined, large front wrap around porch, storm windows and doors, good roof, exterior is German siding in very beautiful condition, interior of home is in immaculate condition, beautiful well-kept lawn, Central School District, this home has always been well maintained, a very beautiful home located in Mifflinville, PA, if you're looking for that perfect spot, here it is.

To view real estate, call auctioneer Dan Nevius (717) 752-4214 or Olen Knecht (717) 683-5955.

TERMS OF SALE: HOUSEHOLD AND PERSONAL ITEMS CASH OR APPROVED CHECK.

REAL ESTATE: $5000.00 DOWN DAY OF SALE, BALANCE IN 30 DAYS OR UPON RECEIVING CLEAR DEED. BUYER PAYS ALL TRANSFER TAX. PROPERTY TAX TO BE PRORATED BETWEEN BUYER AND SELLER.

LUNCH — YES
NOT RESPONSIBLE FOR ACCIDENTS

SELLER — EXECUTOR **JOAN HAYS**

Clerk — The Leibys

NEVIUS AUCTION SERVICE
Box 187, Mifflinville, Pa. 18631
Phone 752-4214
AUCTIONEERS — LICENSED & BONDED
A Complete Auction Service

DAN NEVIUS	OLEN KNECHT
AU-000-679-L	AU-001765-L
Ph. 752-4214	Ph. 1-683-5955

Statements made day of sale take precedance over previously written material.

PUBLIC AUCTION

15 ACRE FARMETTE
MON., MAY 20, 1985
at 6 P.M.

Located in Weisenberg Twp., Lehigh Co. Pa. (Take Rt. 100 North from Rt. 22 at Fogelsville for approx. 6 mi. Then left on concrete Highway toward Kempton for 1 mile.

Farmette consists of 15 acres of gently sloping land w/stream whereon are erected a spacious Victorian 2½ story farmhouse, lg. 2 story bank barn, wash house & 2 car garage. House has alu. over frame low maint. exterior. 2nd flr. has a center hall leading to 5 BR & bath; 1st. flr. has lg. farm kit. w/orig. wainscoating & cabinets, sitting room & LR divided by pocket doors, ½ bath and 12'x29' beauty shop, full attic & concrete basement. H/W heating system w/mod. multi-fuel oil/coal furnace, 200 amp elec. House is in good cond. & has some wall to wall, all orig. clean finish woodwork through & stained glass windows. See this one to appreciate it. Loads of shade tree.

For inspection call 298-2465 for appt.
Terms- 10%- 60 days.
AUCT. NOTE: A real nice property, great for kids & horses. Disregard any previous pricing, this is an auction.

Ordered by
KATHLEEN & PRESTON PFEIFLY
Conducted by
Ralph W. Zettlemoyer Auction Co. Inc.
(215) 395-8084
Pa. License #AU-001809-L

PUBLIC SALE

FARM MACHINERY, CHICKEN EQUIPMENT, HOUSEHOLD GOODS & ANTIQUES
SATURDAY, MAY 18, 1985
at 9:00 A.M.

The undersigned having sold her farm will offer for sale on the premises located 1 mile west of New Freedom, off Rt. 851. First farm lane on the left on the woods after leaving New Freedom in Shrewsbury Twp. York Co., Pa.

FARM MACHINERY, TOOLS & CHICKEN EQUIPMENT

1950 Farmall H tractor w/hyd., like new tires in very good cond.; 2-14" bottom trail plow; Int. 25V 7 ft. semi-mount mower; 7 ft. drag disc; 3 section harrow; 14 ft. flat bed rubber tire wagon; J.D. 13 disc grain drill w/seeder in exc. cond.; new hyd. cyl.; new sprayer pump; 30 ft. endless belt; platform scales; 2 air compressors; grease guns & buckets; sm. feed auger; ext. ladder; 24" rotary mower; garden tractor & worker; wheel barrow; bushel baskets; misc. hand tools, etc.

Chicken Equipment: Big Dutchman 160 ft. feeder w/4 corners; 2 Hayes-te automatic feeders each w/150 ft. w/4 corners; Keenco 300 ft. feeder w/8 corners; 8 automatic waterers; 33-15 hole nests; 5 - 9 hole nests; 4 - 10 hole nests; lots of sm. & lg. metal feeders; egg grader; egg washers; dozens of egg baskets; oyster shell feeders; several rolls of chicken wire; chicken coops; baby chick feeders; glass fountains; 2 insect killer lites.

ANTIQUES, HOUSEHOLD GOODS & GUNS

3 pc. oak bedroom suite; childs wicker rocker; wash stand; oak stand; high presses bk. potty chair; sm. rope bed; Victorian love seat; childs oak roll top desk; drying rack; picture frames; Victor upright victrola; Singer treadle sewing machine; doll crib & other furniture; Gilbert erector set in original box; other old toys; flat irons; finger lamp; kerosene heater; baby crib; several nice rush seat rockers; slaw cutter; crocks; jars; meat grinder; old wooden lard press; milking stool; tubs; barn lanterns; 30x60" Cole steel desert tan office desk; matching executive chair; Duncan Phyfe pedestal table; sofa; misc. dishes; pots; pans; H&R 16 ga. single barrel shotgun; 22 Hornet bolt action rifle w/clip & scope; 22 cal. single shot rifle & many items not mentioned.

Sale order: small tools, chicken equipment, farm machinery, antiques & household goods.

TERMS: Cash or approved check.

NORMA E. WOLF, Owner
New Freedom, Pa.
Bob & Tom Sechrist,
Auctioneers
Andersons & Sechrist,
Clerks
Lic. #820-821
Not Responsible For Accidents.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. MAY 17 - 9AM Public Auction of Antiques, Glassware, China, Misc. Located The Skippack Firehouse, Rt 113, Skippack, PA. ¼ mi. S of Rt. 73. For. Est of Benedick Kolenski. Sanford A. Alderfer, Inc., Auctioneers.

WED. - SAT. MAY 15-18 12 Noon Wed & 9:30 AM Remaining days. Martin's 14th Annual Carriage, Sleigh & Antique Auction. Located Martin's Sale Pavilion, corner of Rt. 340 & New Holland Rd , 2 mis. E. of Intercourse, PA. Martin's Auctioneers, Inc.

FRI. MAY 18 - 9:30AM Auction of Antiques, Collectibles & Hshld Goods. Location: 1 mi. N of Borough of Hughesville, PA. Just off PA Rt. 220. 20 mis. E of Williamsport, PA. Mr. & Mrs. Swartz, Sellers Arthur Auctioneering

SAT. MAY 18 - 10 AM Grade Heifer New Holland Sales Stables, Inc., Auctioneeers.

SAT. MAY 18 - 9:30 AM Public Sale of Valuable Garage Eq., Tools, etc Craley, PA, York Co., at rear of Craley Fire Co. Betty L Runkle, Owner. Jacob A. & Brian L. Gilbert, Auctioneers.

SAT. MAY 18 - 9 AM Public Sale of Farm Mach., Chicken Eq., Hshld. Goods & Antiques Located 1 mi W. of New Freedom, off Rt. 851. First farm lane on left on the woods after leaving New Freedom in Shrewsburg Twp., York Co., PA. Norma E. Wolf, Owner. Bob & Tom Sechrist, Auctioneers.

SAT. MAY 18 - 9 AM 10th Annual Consignment Sale of Dry Goods, Tools, Hardware, Baked Goods, Crafts, Farm Mach. For the Benefit of Cumberland Valley Amish Schools. Located at Stephen Stoltzfus Farm, Newburg, PA, 5 mis. E. of Newburg off 641 at Game Lands. Steve Petersheim, Mel Sensenig, Glenn Harry & Other Auctioneer

SAT. MAY 18 - 9:30 AM Public Sale of Oak Furniture, Antiques, Hshld., Mach. Located Blair Co., PA. Between Bedford & Altoona, off Rt. 220, 3 mis. N. of Imler, 3 mis. S. of Sproul, 8 mis. from Blue Knob State Park & Ski Resort. Estate of Bessie V Deffibaugh. Larry Beach, Auctioneer.

SAT. MAY 18 - 10:30 AM Karhan Excavating Heavy Equipment Complete Dispersal. Located on US Rt. 6 West Coudersport Borough, Potter Co., PA Karhan Excavating, Owner 814-274-9600. Sale by Pirrung Auct., Wayland, NY, or Ulysses, PA

PUBLIC SALE

VERY NICE 6½ ACRE FARMETTE-COUNTRY HOME MANY NICE ANTIQUES, SOME MODERN HOUSEHOLD, TOOLS
TUES., EVE., MAY 28, 1985
AT 4:30 P.M.

Will be held at the site of the real estate, located off Route #30 at New Oxford Square onto the Oxford Road going North 9/10 mile turning East at Public Sale Sign in Mt. Pleasant Township, Adams Co., Pa.

7:30 P.M.–REAL ESTATE–7:30 P.M.

6½ Acre Farmette with fine wooded area lying and being at the aforementioned location; Erected thereon is a 2 story covered log 1800's, 5-room and bath, with shower, dwelling. Improvements: First floor consists of a living room, kitchen, attached summer kitchen, bathroom, and natural finished bannister stairway. Second floor contains 2 nice bedrooms. Dwelling is finished throughout with nice knotty pine boarded walls, pine finished floors, except kitchen, exposed native, finished joices. Home has large "L" shaped screened in porch, cemented; ground floor cellar. This home has all modern conveniences except central heat; Spring well of water; Own septic system; Out door stone fireplace; Nice water pond; Frame pig pen; Frame utility shed. Approximately half of acreage is good tillable soil with balance wooded with black walnut, hickory and oak growing trees. NOTE: This is a well situated, adaptable, year round dwelling ideal for a pleasant summer home. If you are looking for a quiet, well situated home in an ideal setting do not miss this sale.

TERMS: REAL ESTATE-10% WHEN STRICKEN DOWN WITH BALANCE ON OR BEFORE 30 DAYS. INSPECTION BY APPOINTMENT: PHONE: 717-677-7479 CR Slaybaugh, Auctioneer.

ANTIQUES

Fine 36" high, triple glass, weight, shelf clock with 2 Very nice original painted glasses; Small 8-day shelf clock; Nice pine dry sink; Oak dry sink with cupboard top; Softwood tulip post rope bed; Walnut 4-drawer brown marble top dresser; Empire bureau; 6 Press back chairs; Doughtray; Plank seat chairs; Fancy oak press back rocker; Slat back rocker & setting chair; Splint seat rocker; 10' Wooden deacon bench; Boston rocker; Cherry 4-leg dropleaf table w/drawer; Pine 6-leg dropleaf table; Oak round top extension table; Spool leg 1-drawer stand; Jelly cupboard; Nice fainting couch w/designed back; Twin 6-leg dropleaf table; 5 Cane seat chairs w/matched rocker; Walnut frame cane rocker & 2 chairs; Butter churn stand; 5 Oak leather seat chairs; Patio wicker stand & stool; Wrought iron stand; Wooden shovel; Large butter bowl; Paddle & pineapple print; 2 Oak stands; Wall mirror; Wooden boxes; Seth ship clock; Ten plate stove; Walnut bench; Wood box; Hand well pump; 2 Sewing Machine bases; Old copper tub washing machine; Iron teakettle and cookpot; Woodware; 2 Bracket lights; Enamelware; Tin milk buckets; Stoneware; Iron trivets; Spring scales; Iron floor lamps; 8-door sewing stand; Mail pouch thermometer; 7-Piece bedroom blue & white washbowl set; Blue & white paste bowl; Blue & white paste butter bucket; Rayo light with green shade; Horse hames; Braided rugs; 1945 RCA console radio; Oil lamps; Iron ladels; Blue paste salt crock; Sugar barrel; Early baskets; Homer Hudson china, service for 8; Bottles; Pattern glass and Chinaware.

MODERN

Philco refrigerator; Kelvinator 30" electric stove; Small white enamel Coal or wood cookstove; Kitchen cupboard; 3-Piece maple bedroom suite; 2 sets of box springs & mattresses; Cobblers bench; Maple platform chair; 2 Metal porch chairs; 3 Aluminum porch chairs; 10' wooden extension ladder; Eclipse power reel mower; Dishes; Cookware; Garden tools plus many items not listed.

Not responsible for accidents day of sale.
TERMS: PERSONAL PROPERTY-Cash or personal checks with approval.

OWNERS,
ROBERT E. & EDNA BECKER
CLAIR R SLAYBAUGH, Auctioneer
Idaville, PA License: 856L

PUBLIC AUCTION

ANTIQUES, TOOLS, FURN & MISC.
THURSDAY, MAY 16, 1985
AT 9:30 A.M.
441 W. Chestnut St. Lancaster, Pa.

Amari bowl, Nippon bowl, lg Haviland platter, cut glass tumblers, other old china & glass, condament sets, old ice cream dipper, Sterling silver carving set, glass baskets, old dolls, very old Teddy Bears, ivory figurines, straw baskets, Lot of old tools signed block planes etc, 1911 satin wedding dress & shoes, silk log cabin quilt, old baby clothes, tapestrys, feather pillows, old steeple clock, marble clock, old pictures & frames, old metal building set, games & puzzles, linens & emb, old trunks, Pitney Bowes copier model 250, adding mach's, typewriters, 5000 BTU-Air Cond, cameras, radios, reel to reel tape recorder, conference phone, kit items, broiler oven, meat slicer, books, old mirrors, 4 drawer file cab, oak high chest of drawers, 2 drawer lo chest, sofa bed, 2 single beds & Mattresses, 3 drw chest w/mirror, 2 uph chairs, sm tables, Empire chest of drawers, vanity bench, knee hole desk, childs high & low chests of drawers, 2 color I B&W T.V.S, Kenmore portable dishwasher, room size rugs, luggage, Many more items.

(Furn sold at 1 P.M.)

Sale For
JOHN C. HENDRICKS
DOROTHY J. HENDRICKS
Auctioneer
John H. Cooper AU-001332-L
665-5839

HOLSTEIN AND FARM MACHINERY AUCTION

80 COW PIPELINE-810 GAL. BULK TANK-SILAGE
WED., MAY 22, 1985 at 11:A.M.

Tranquility, N.J. For Joe Schoelier 9 miles N. of Hackettstown, N.J. From Rt. 80 use Allamuchy Exit head North on Rt. 517 to Tranquility, turn on Rt. 611 by church continue 1¼ miles, turn right on Pequest Rd. to 2nd farm. Arrows!

11:A.M. BARN & FEEDING EQUIP. - DeLaval 80 cow pipeline auto washer, 6 DeLaval and 6 Surge mini claw units, Surge Alamo 100 plus 5 hp milk pump 4 yr old, Jamesway 810 gal bulk Tank w/5 hp comp, 2-SP Ubler feed carts gas, Starline 14 ft. silo unloader, Starline 30 cow cleaner w/patz unit, Starline 140 ft. mow conveyor, NH 32 ft. frame elevator, 20 ft and a 15 ft. Alum. silage elevators, Nutri Matic roller mill - like new, 4" auger, 2 feed carts, 120 Jamesway stanchions, 60 Starline water cups new style, Butler 18 ton grain bin w/auger, 2 fans 48" & 36", 8 wood feed bunks. Produce 14x40 silo full of corn silage.

12 NOON TRACTORS & MACH. - Ford 7000 DL-WF-PS-3PTH, A.C. 170 gas WF-PS-3PTH, Oliver 77, 76 IHC Scout pick up **IHC EQUIP.- #881 FIELD CHOPPER** w/2 row corn and 6 ft. haylage hds. like new used on 90 acres, #700-5 btm 16" auto reset semi mtd plow, 16 ft. wing disc, 2-#110 chuck wagons w/roofs, #14 hayrake, #400 cyclo 4 row no till corn planter. **OTHER MAKES** - NH 269 hay baler w/thrower, NH 461 haybine, NH flail mower, Schwartz 760 mixer feed wagon, Athens hyd 12 ft. #73 disc, Gehl hopper blower, JD #64 rake, JD 200 gal sprayer, Danuser 8 ft. 3PTH scraper, NI 1000 bu 3PTH fert spreader, Meyers snow plow, 3-kicker wagons on factory gear, wagon gear, Ontario grain drill, Grimm hay tedder, Knight 350 bu. tandem manure spreader new chain, 3 sets silo pipe, 3 sect SH, Toledo meat grinder, 34" tractor chains, PTO cement mixer, plus more.

1 P.M. 50 HD OF HOLSTEINS - 27 cows in various stages of production. Some just fresh milking well 7 holstein yearling heifers, 9 hd 7 mos old, 7 Holstein Steers 7 mos. old. Ready for grass. 30 day T.B. & Blood tested for out of state shipment. Plan to take the day off to attend this sale, it will pay not cost!

No Sunday Inspection Please! TERMS-Full Payment Sale Day By Cash or Good Check-OUT OF STATE Checks accompanied w/current Bank Letter of credit!

OWNER
JOE SCHOELIER
201-383-7744

SALE CONDUCTED BY:
COL. FRED R. DANIEL AUCTIONEERS INC.
Neshanic Sta., N.J. 201-369-4784
(A Full Service Auction Co.)
Lunch available!

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT MAY 18 - 10:30 AM Auction of 2 1981 Harvestore Silos, 20x60', 25x80' Location: McMichael's Service Center, Nokesville, VA. State Bank of Remington 703-439-3233. Ownby Auction Co.

SAT. MAY 18 - 9 AM Public Auction of Real Estate, Hshld., Collectables, Antiques, Coins. Located W. Third St., also known as Main St., Mifflinville, PA. Olen Knecht, Owner Nevius Auction Service: Dan Nevius, Auctioneer.

SAT. MAY 18 - 9 AM Public Auction of Antiques, Hshld. Goods, Coins, Masonry Eq., Tractors. Located along Girl Scout Rd., W Cocalico Twp., Lanc. Co., PA. DIRECTIONS: Rt. 272 N. of Ephrata to Schoeneck Rd. at PP&L Service Center turn W. onto Schoeneck Rd. & continue to Schoeneck. Turn left onto Mt. Airy Rd Continue 3 mis. to Girl Scout Rd. Terms by: Roy W. Gerhart. T. Glenn & Timothy G. Horst, Auct.

SAT. MAY 18 - 9:30 AM Public Auction of Line Eq. & Vehicles. Located Allentown, PA. For: PA Power & Light Co. Vilsmeier Auction Co., Inc.

SAT. MAY 18 - 9AM Community Cosignment Sale of Quilts, Sporting Goods & Hardware Located at Goodville Firehall, Goodville, PA, on Rt. 23 E of Blue Ball. Goodville Fire Co. Benefit. Local Auctioneers.

SAT MAY 18 - 9AM Public Sale of Fine Antiques, Hshld. Goods & Find Hand Tools. Loc. along Kendig Rd., Conestoga, PA In village of Conestoga at Conestoga Wagon Restaurant turn N. onto Kendig Rd.; go about ¼ mi. to sale. Sale by: Mr. & Mrs. Eli E Harnish Howard Shaub & Roy C Probst, Auctioneers.

SAT & SUN. MAY 18 & 19 - 9AM & 10AM Public Auction. Walter Schubauer Farm & Warehouse Shirks Church & Coon Creek Rds., Palmyra, PA. From Exit 28 on I-81 go S. onRt. 743 approx. 2 mis. to Colt Rd follow signs to auction. John T. Ensminger

SUN. MAY 19 - 12 Noon Sharp Real Estate Auction of 18 + or – acres & home. Located in Liberty Twp., Tioga Co., PA. Rell Auction.

SUN. MAY 19 - 2PM Glassware Auction. Located Holiday Inn, 1492 North Lititz Pike, Lancaster, PA Sammy D Grizzle, Owner. John H Cooper, Auctioneer.

MON. MAY 20 - 5:30 PM Public Sale of Mechanic's Tools, Power Tools, Auto Repair Tools. Located 425 S. Broad St., Lititz, PA, Rt 501 Terms by: Elro E Tomlinson T Glenn & Timothy G. Horst, Auctioneers.

MON. MAY 20 - 6PM Public Auction of 15 acre farmette. Located in Weisenberg Twp., Lehigh Co., PA. Take Rt. 100 N. from Rt. 22 at Fogelsville for approx. 6 mis. Then left on concrete hwy. toward Kempton for 1 mi. Ordered by: Kathleen & Preston Pfeifly. Ralph W Zettlemoyer Auction Co, Inc.

MON MAY 20 - 5PM Public Auction of Farm Mach Located Bixler's Church on Bixler's Church Rd off Rt. 496, which is the New Bachman Valley Rd., midway between Rt. 30 & 97, 5 mis. N. of Westminster, MD. John J. Bixler, Owner. Ralph Schuchart & Jim Beaver, Auctioneers

TUES MAY 21 - 4 PM Farmersville Auction in Farmersville, 3 mi. E. of Brownstown, Lanc Co., PA.

TUES. MAY 21 - 7PM Valuable Real Estate Auction. Located along Rt. 30 approx. 2 mis. W. of Gap, PA. Approx. 10 mis. E. of Lancaster, PA. Roy & Iris Dennett, Owners. Ron Funk Auctions.

WED. MAY 22 - 9:30 AM C.S.T. Public Auction of Powerline Eq. For Crawford Electric, North Platte, Nebraska Vilsmeier Auction Co.

PUBLIC AUCTION

ESTATE OF CHARLES NICHOLAS

SATURDAY, MAY 25, 1985

9:30 A.M.

JEEP WAGONEER — TRACTOR EQUIPMENT

Windsor Twp., York County, PA.
LOCATED: ½ mile out of Windsor toward Frysville.

1981 TAN JEEP WAGONEER w/QUADRA-TRAC.

4 Dr., 4 WD, AT, AM Radio, Leather Seats, 10,500 miles & Inspected.

PERSONAL PROPERTY 9:30 A.M.

Wooden rockers, G.E. Airliner elec. stove, Frigidaire Deluxe ref/freezer, roaster, pots & pans, mixing bowls, meat saws, butcher knives, kitchen utensils, meat grinder, sausage stuffer, glass pie plates, porcelain kitchen table & 4 chairs, set of dishes (service for 8), corner cupboard, chest of drawers, 6 leg wooden dining room table w/6 chairs, oval stand, wooden stand - desk, gossip benches, flower stands, step stool, RCA port. color TV, comb cases, leather swivel rocker, wood box, cast iron frog, minature kerosene lamp, what knot shelves, Lane cedar chest, vanity, dresser, chest of drawers, poster bed, clothes tree, living room furniture, blanket chest, Empire dresser, small wooden chest, wooden bed, plank bottom chair, dough tray, White treddle sewing machine, cast iron floor lamp, coal/oil heaters, smoking stand, x-mas decorations, magazine rack, wash tub, wringer washer, Frigidaire AC, elec. heater, crocks, musical jewelry box, bird cage, sewing box.

1000's of GLADIOLA BULBS

Jigsaw w/18" throat, small wood lathe, small drill press, table saw, wood plane, large assortment hand tools, wood bits, wood clamps, oil cookstove, bench vise, alum. stepladder, radial arm saw, mop bucket, circle saw, gardening tools, fishing rods, misc. nails & screws, rubber tire wheelbarrow, port. air compressor, iron kettle w/stand, wooden bench, roof jacks, & ladders.

Farmall Cub tractor w/hyd. & belt pulley, 2 way plows, cult., side dresser, planter, sickle mower, Cub Cadet 81 riding tractor (like new), snow flite MTD snow blower w/reverse (like new), 5 hp. Simplicity roto-tiller (like new), Craftsman hedge trimmer, McCulloch chain saw, rotary mower, small 20 blade disc harrows, 1 section spring harrows, Blaock & Fall, wooden barrel, lumber, etc.

TERMS: CASH OR GOOD CHECK.

Executor:
DROVERS & MECH. BANK
Attorney: George Eveler

AUCTIONEER:
Blaine N. Rentzel - #761
Nevin B. Rentzel - #1442
Emigsville, PA
717-764-6412

ABSOLUTE PUBLIC AUCTION

Everything Selling To The Highest Bidder!

Fine Antiques, Household Goods, Tools

Located at 35 Corry Avenue, Lancaster, PA

SATURDAY, MAY 25, 1985

At Precisely 9:00 A.M.

Very Good Penna. Walnut High Chest of Drawers, 5 Lower and 3 Upper Drawers, Reed Columns, Cornice Molding, Oval Brass Pulls, French Feet, Karastan Oriental Rug with Flower Design Multi-Color, Room Size, 3 Karastan Oriental Hall Rugs, 1 Sarouk Oriental Hall Rug, Walnut (Hardwood) Secretary Book Case Desk with Compartments with Secret Drawer, 3 Lower Drawers, Early Penna. 6 Spindle Windsor Hoop Back School Chair, Nice 3 Piece Walnut Marble Top Bedroom Suite, Modern Cherry 2 Part Dutch Cupboard (Nice), Cherry Dining Room Table with 6 Chairs (Modern), Early Painted and Turned Egg Cup, 12 Service Noritake Dinner Set, Fairmont Pattern, Blue Decorated War Bonnet Crock, F.H. Cowden Stencil Crock, Other Blue Decorated Crocks, Large Amount of Good Aged Lumber, Brass Quoits, 2 Horsehead Ties, Cast Iron Bull Dog, Brass Sleigh Bells, Cow Bells, Glue Pot, Brass Candle Sticks, Signed Brass Bucket, 3 Footed Brass Urn, Miniature Flat Iron, Good Pressed Glass Dishes, Sherbets, Goblets, Several Sets of Individual Salts, Over 100 Piece Salt and Pepper Shaker Collection, Straford and Roger Bros. Silverware, Germany Cup and Saucers, Peanut Butter Tumblers, Milk Glass, Noritake Dishes, Berry Set, Nippon Salt and Pepper Shaker, Early Walnut Spool Turned Rope Bed, Pine Jewelry Chest (Small), Child's Chair and Rocker, Round Oak Drop Leaf Table, Many Various Baskets, Walnut Rope Bed, Walnut Baby Cradle (Dovetailed), Good Oak Press Back Swivel Office Chair, Dough Tray, Oak Press Back Child's High Chair, 2 Softwood Grained Blanket Chests with Tills, Large Railroad Lantern, Rag Carpet, Deep Frame Pictures, Gold Leaf Mirror, 6 Hole Candle Mold, Slaw Board, Scale with Brass Scope, Agateware, Lance Cracker Jar, Bedding, Good Linen, Table Cloths and Napkins, Doilies, Wool Horse Blankets, Large Camel Back Trunk, Oak Chairs, Child's Oak Crib, Square Oak Extension Table with Claw Feet, Upright Clock, Book Case, Upholstered and Folding Chairs, Good 2 Piece Modern Bedroom Suite, Console Record Player, Upholstered and Leather Recliners, Walnut Wurlitzer 8 Pedal Organ (Like New), 2 Piece Early American Living Room Suite, 4 Piece Mediterranean Style Tables, Seth Thomas Chime Clock, Remington 22 Short/Long Rifle, Shotgun, 3 Piece Rock Maple Dinette Set, Table, Chairs, Buffet, Hutch, Redwood Lawn Furniture, Oasis Dehumidifier, G.E Upright Freezer, Frigidaire Refrigerator, Roper 4 Burner Electric Stove, Frigidaire Washer and Dryer, Wissler Trough, Platform Scales, Drying Rack, Meat Benches, Large Statues of Figurines, Market Items, Card Tables, Large Amount of Hand and Garden Tools, 16 Metal Office Chairs, Rainbow Sweeper, Table Lights, Lanterns, Bearcat Scanner, Wooden and Aluminum Step and Extension Ladders, Heavy Duty Child's Express Wagon, Cooper Electric Edge Trimmer, Toro Key Start Mower, Everyday Kitchen Appliances.

This is only a partial listing.

Food Served

Terms: Cash or Approved Check

Auction For:
IRENE S. HOSTETTER
35 Corry Avenue
Lancaster, PA

Auction Conducted By The
J. Omar Landis Auction Service
Jay M. Witman AU001127-L
Box 501, Ephrata, PA 17522
717-627-0789 or 665-5735

PUBLIC AUCTION

VALUABLE REAL ESTATE

Restaurant Equipment and Antiques

TUESDAY, MAY 14, 6:15 P.M.
& WEDNESDAY, MAY 15, 9 A.M.

Located just east of Lititz, PA in Warwick Township along Rt. 772.

TUESDAY EVENING AUCTION: Real Estate and Restaurant Equipment

REAL ESTATE 6:15 P.M. MAY 14

★ Masonry constructed restaurant erected on 2.58 acre tract of land with ample parking space.

★ 1757 Grist Mill built of Native limestone. Recently utilized as museum and tourist attraction. Erected on 1.393 tract of land.

★ Masonry constructed 14 room farmhouse with fine architectural interior. Erected on 1.15 acre tract of land.

★ Near public water and sewer hook up.

★ This property is conveniently located nearby Historic Lititz, PA, in the heart of the Pennsylvania Dutch Country. You may inspect the exterior of property at your convenience. To inspect the entire property attend the open house on either Saturday, April 20, 11:30 A.M.-2:30 P.M. or Friday, May 3, 11:30 A.M.-2:30 P.M.

TERMS: 10% down day of sale, balance in 30 days. Brokers please note: 1% Broker participation fee offered to you if your client is successful purchaser and is registered with the auctioneer no less than one week prior to auction. Property offered in the above mentioned parcels and in the entirety. (5 acres and all buildings.)

TUESDAY EVENING 6:15 P.M. (Immediately following Real Estate) RESTAURANT EQUIPMENT: Vulcan Hart 36" Grill with Ovens, GE 6-burner range with upper broiler, Blodgreth electric oven, 2 steam tables, Bain Marine, Walter Carrell electric grill, Kold Draft ice maker, bun warmer, portable food warmer, 5 section steam table, salad bar, Hobart dishwasher and unit. Foster 2 door stainless steel refrigerator, stainless steel storage table, stainless steel serving carts, TEC M.A. cash register, Rosstemp ice machine, Toastmaster, bun warmer, utensil storage and drinking water pump, Raltone 1-door refrigerator, under counter refrigerator, Glenco stainless steel freezer, Vulcan Autosan dishwashing unit, Raltone 1-door freezer, Hobart meat slicer, J.C.P. frialator deep frier, Penn walk-in refrigerator-freezer, GE 6 plate stove, R.C. 7-A microwave oven, 2 compartment stainless steel sink, Blakeside potato peeler, Hobart potato masher, Venco 3-door refrigerator, storage rack, work table, time clock, french fry cutter, mop buckets, app. 225 wooden chairs, 30 Sensenich butcher block style tables, Fulton Spinet Piano, electric hurricane lights, plastic bins, cutting boards, salad bowls, restaurant glass & china, booster seats & high chairs, stainless flatware, wrought iron serving cart, shelving, Sun Star kerosene heater, cooking kettles.

WEDNESDAY, MAY 15 8:30 A.M.

ANTIQUES (Contents of Museum)

Rare sandstone tough "Henry Wissler" dated 1868, Very rare Up and Down saw mill, contents of early textile mill established in 1813 including drying barrels, wool scales, loom parts and drying racks, tape loom in old blue paint, grist mill equipment, several mill speed indicators, bag wagons, wooden augers, wooden spool type pulleys, other wooden pulleys, meal grinder, bag stencils, early millers desk, large mill scales, rare New Holland mill, Staver gas engine, wooden tubs, several millstones (some in pairs), horse drawn power shaft, full line of wheel marking machinery, rare woodworking machinery in tact in conjunction to the wheel makers shop (sold individually), many wooden planes, one-man lever saw, Schnitzel banks, tool chest, early well winch, early hay rake, 4 sleighs, corn shellers, tobacco shreader, early cider mill, early treadle lathe, winnowing machine, early tobacco press, horsedrawn plows, tobacco planter and other horsedrawn implements, fodder chopper, morticing machine, pig scraping rack, scaulding trough, wooden wheelbarrows, very unusual early treadle sewing machine, spinning wheel, handmade baby play pen, wheel barrow type seeder frame, hay hook, hay rack, early cheese press, early Flax braker, stools, benches, blanket chests, cane seat chairs, brass & iron bed, square oak table, splay leg stand, cupboard top, clothes tree, iron horse, blacksmith tools, anvil, wheel cane, rim bender, country store items, showcase, rolltop desk, early typewriter, country store bins, baskets, cigar molds, cheese covers, brass ice cream dippers, Dupont powder can, early stove built at Pine Grove Furnace by Peter Edge, Ironplates for under stove, meat chopper, meat grinder, meat slicer, sausage stuffer, Brunnerville Furnace, butcher benches, iron butcher kettles, iron pig troughs, ornate cast iron fountain, wooden sled, crocks, jugs, dough kneeder, store scales & scoops, marble slabs, advertising tins & thermometer, dinner bell, straw cutter, set of raised panel oak drawers, wood box, matching pair tiffany type hanging dome shades, wooden rocking horse, iron fire back, milk cans, baking table with cupboard above, Settle with green paint, long wooden tables, rope bed, Numerous items of interest not listed.

Real Estate Auction by
Manheim National Bank
Martin, Honaman, Longo & Zimmerman, Attoneys

Personal Property Auction By
SYLVAN B. & CAROL M. BRANDT

E. M. Murry Associates
287 Lime Rock Road
Lititz, PA 17543
Elmer Murry 626 5244 626 2636
Richard Murry 626 8175 949 2280
Ken Miller 665 2073
Professional Auctioneers
Appraisers and Advisors
Since 1953

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

WED. MAY 22 - 9 AM Public Auction of Valuable Antiques & Pickup Truck & Tractor. Located 3741 Old Philadelphia Pk. Just E. of Intercourse, PA. Sale by: Suie Worst, Executrix. For Raymond B Worst Estate E.M Murry Associates, Auctioneers

WED. MAY 22 - 11AM Holstein & Farm Mach. Auction: 80 cow pipeline, 810 gal. bulk tank, silage. Located Tranquility, NJ. For: Joe Schoelier 9 mis. N. of Hackettstown, NJ. From Rt. 80 use Allamuchy Exit head N on Rt. 517 to Tranquility, turn on Rt. 611 by church continue, 1¼ mis., turn right on Pequest Rd., to 2nd farm. Col. Fred R Daniel Auctioneers, Inc

THURS MAY 23 - 9 AM Public Sale of Hshld. Furnishings, Antiques, Watches, Clocks, Old Paper Money. Located York Co., 840 Madison Ave East of York Fairgrounds, off Rt. 74 Reuben E & Elizabeth R. Lauer, Owners. Clair R Slaybaugh, Auctioneer

THURS. MAY 23 - 5.30 PM Schannauer's Garage Sale of Garage Eq. & Supplies. Located along Rt. 897, Reinholds, Lanc. Co , PA. Across From Elementary School. Terms by Milford Schannauer T. Glenn & Timothy G. Horst, Auctioneers.

FRI MAY 24 - 9 AM Farm Equipment. New Holland Sales Stables, Inc., Auctioneers

FRI. MAY 24 7PM Complete Dairy Herd Dispersal of 90 Holsteins. Selling at Kling's Sale Barn, 15 mis. N of Carlisle on Rt. 74, 2½ mis NE of Landisburg, Perry Co , PA. Hidden Valley Farm Bruce Trauger, Owner Kling's Auction Service.

FRI. & SAT MAY 24 & 25 - 10AM Public Sale of Valuable Antiques, Collectibles, Personal Property. Located Springetts Fire Co Social Hall, 3013 E. Market St., York, PA. Jacob A. & Brian L. Gilbert, Auctioneers

SAT. MAY 25 - 2PM Public Auction of Valuable 5 Acre Farmette Located: Take Rt. 272 10 mis S of Lancaster, turn W on Rawlinsville Ave., go through Rawlinsville to Nissley Rd., turn left ¼ mi. to Blue Gate Farm. Or from Buck Rt. 272 1 mi. N turn W, on Rawlinsville Ave. Terms by Anne Norton. Kreider & Kline, Auctioneers.

SAT. MAY 25 - 10 AM Public Sale of Farm Eq. & Shop Tools Located From Shippensburg take Rt. 696 N. to Mud Level Rd., turn right and follow to sale, Cumberland Co., PA. Owner. J. Clifford & Lillian G. Pilgrim. Sensenig Auctioneering Service.

SAT. MAY 25 - 9 AM Public Auction of Fine Antiques, Hshld. Goods, Tools. Located 35 Corry Ave., Lancaster, PA. Auction for: Irene S. Hostetter. J. Omar Landis Auction Service. Jay Witman, Auctioneer.

SAT. MAY 25 - 9:30 AM Farm Mach. Auction, Hshld., Antiques For Irv & Jim Vlearbone, 1 mi. E of Flemington, NJ, on Spur Rt 514 off Rt. 202 Next to Sun Ridge Development. Col. Fred R. Daniel Auctioneers Inc.

SAT. MAY 25 - 11AM Slitor Hill Farms Registered Polled Hereford Auction. Located Middlesex, NY Pirrung Auctioneers, Inc.

SAT. MAY 25 - 9.30AM Public Auction of Jeep Wagoneer, Tractor, Eq Located ½ mi. out of Windsor toward Frysville, Windsor Twp., York Co., PA. Estate of Charles Nicholas. Blaine N. & Nevin B. Rentzel, Auctioneers.

SAT. MAY 25 - 9AM Public Sale of Valuable Farm Mach., Antiques, Butcher Tools & Hshld Goods LOCATION: Off I-83 Glenrock Exit 2, go W on Rt. 216 approx ¾ mi to Rt 111. Turn left and proceed 1½ mis. to Haim Rd Turn left and proceed to second hard road on left Mr & Mrs. Victor Newcomer, Owners Melvin Haines & Ralph Brenneman, Auctioneers

SAT. MAY 25 - 10AM Public Auction of 3 Tractors, Farm Mach , Rd Grader, Butchering Eq., Farm Items. Located Taking US Rt 15 By-pass around Emmittsburg, MD, take 1st exit S. of PA line (Old US 15 toward town), first farm, right hand side Mr. & Mrs Bernard Boyle, Owners. C. David Redding, Auctioneer.

SAT. MAY 25 - 1PM Grass Time Sales Sponsored by PA Simmental Association of 65 Simmentals Location. Farm Show Complex, Harrisburg, PA John Spiker, Auctioneer.

TOWN OF PALMYRA, N.Y.

SURPLUS PROPERTY AUCTION

SATURDAY, MAY 18, 1985

AT 11:00 A.M.

Sale will be held at the Highway Department just off Rt. 21 over the canal on the northeast side of the village of Palmyra, N.Y.

Selling some very well maintained equipment here including: 1966 Ford F1000 dump truck, gas engine, good condition. 1965 IH 200 truck with sander, gas engine, good condition. (2) 1945 Osh-Kosh 4x4 trucks with V Plows and dump bodies. Cummins power, in good working order. 1981 Chevy 4 door sedan. 1978 Ford LTD wagon. 1960 Brockway S/A tractor w/40 ton Fruehauf trailer. 1970 Caterpiller 951B Traxcavator S/N 86J1715 w/rear Tulsa winch, 4 in 1 bucket, rebuilt engine. Cat D4 Dozer, serial #7U38516, direct electric start, Engle blade, good working condition. Case 430 tractor w/Triumph hyd. sickle mower. 10' Grant Chip Spreader. 1955 Bueyrus Erie Shovel. (2) 8' Frink 1 way plows. (2) 8' V plows. American model 70 metal lathe, 5' bed, 20'' swing, 4 Cycle Leroy engine, 2 cycle Wisconsin engine. (2) IH 450 Short blocks transmission jack, log chains, rope block, bolts, Pioneer chain saw, electric drills, Royal typewriters, sheeps foot roller, 3 wheel Galion roller, misc. tires & parts, Wayne brush chipper. Argo 6 wheel ATV, small boat, two 10' Garwood dump boxes w/hoists, one 6' perfect flail type 3 pt. hitch mower, approx. 15 used bicycles & other misc. items. Some items may be added by other townships before sale time.

Terms: Cash or good check

Roy Teitsworth, Inc.

Sales Managers & Auctioneers

Roy Teitsworth, Inc.
PROFESSIONAL AUCTIONEERS
716 243-1563
Geneseo, New York

PUBLIC AUCTION

VALUABLE 5 ACRE FARMETTE

SAT. MAY 25, 1985

at 2 P.M.

Location-Take Rt. 272, 10 miles So. of Lanc., turn West on Rawlinsville Ave., go through Rawlinsville to Nissley Rd., turn left ¼ mile to Blue Gate Farm. Or from Buck Rt. 272, 1 mile North turn West on Rawlinsville Ave.

3 Bedroom rancher, brick & wood siding. Beautiful kitchen w/stove, dishwasher. Dining room, living room w/fireplace w/wood burner, 1½ baths, mud room & laundry comb. Exposed beams, drapes & wall to wall carpet throughout the house. Walkin basement has family room, storage room, office, powder room, walkin cedar closet, 2 car garage. House has electric heat, front & back deck, exhaust cooling fan.

2 Barns & 2 Corrals. #1 Barn has 4 box stalls w/tack room, room for 5 ton hay. Sm. garage, storage room. #2 Barn is a 34x48 Pole barn w/6 box stalls & room for more, clipping room, storage room for 10 ton hay. Pasture enclosed w/wood fencing & Frey Bros. gates. This property has many extra's, you must see it to appreciate it. OPEN HOUSE- May 11, 18 from 2 to 4 PM. 10% down day of sale, settlement in 90 days.

TERMS BY

ANNE E. NORTON

KREIDER, KLINE & GOOD AUCTIONEERS

AU000513L

Kreider & Kline Auctioneers

PUBLIC SALE

OF REAL ESTATE

(RAY SHAUB'S AUCTION BARN)
Zoned Commercial
25 HP Satoh Tractor, 12 HP Wheelhorse Riding Mower, Snack Bar Equip. & Chairs

THURS. EVE., MAY 16, 1985

at 7:00 P.M.

Loc. in village of Kirkwood, Colerain Twp., Lanc. Co., PA (along Rt. 472).

Property will be open for inspection: Sat's. Apr. 27 & May 4 & 11 from 1:00 p.m. until 3:00 p.m. or phone (717) 464-3541.

Sale by

RAYMOND J. SHAUB ESTATE

Sam Ferguson Musser Atty.
HOWARD SHAUB 464-3541
and Roy C. Probst
Auctioneers (AU-000831-L)

COMPLETE FARM MACHINERY DISPERSAL

FRIDAY, MAY 17th at 11:00 A.M.

Located: On Old State Road, 1 mi. south of Mainesburg, Pa. Watch for auction arrows at Mainesburg, Pa.

MACHINERY

2-105 White Diesel Tractor, 20.8x38, 11Lx16F, 4 front wts. aux. fuel, 2 hyds., 2 pto's, 539 hours SLN 295 777-406 (LIKE NEW); 1655 Oliver Diesel tractor, 3 front wts., 2 pr. rear wts., 2 hyds. 2 pto's; 880 Oliver Gas tractor, 3 pt., 2 hyds., (One of a Kind); 4000 Ford tractor, w/f., New 18.4x30 tires, 2 hyds. w/Ford 772 all hyd. loader w/2 buckets; 2 BU610 Gehl forage boxes w/G806 Gehl wagons; Hustler 56 pto blower; Int. 16 disc drill; JD 1240 4-row corn planter w/dry fert. (Nice); Oliver 200 14' transport harrow; Oliver 546 4x16'' CT semi-plow, hyd. side-hill hitch coverboards; 200 gal. Yellow Devil sprayer; Oliver 3-btm. semi-mounted plow w/coulters; Papec forage box w/Pepin wgn. & flotation tires; JD 35 forage harvester, 2-r, n-r. corn & pick up, NH 489 haybine (super); NH 256 rake w/rubber tires; NH 315 baler, super sweep, 3-jt. pto, flot. tires, hyd. directional control (Super); acid applicator; 4 16' kicker boxes w/wagons (2 Gehl); Windpower 25/15KW alternator, cart & pto; 3-pt cement mixer, hyd. pump; NH 30' elevator, 1½ hp. mtr.; NI 214 spreader; 18.4x34 double ring chains; Lincoln 225 Amp. welder; 3-pt. h. blade; Agway bed & chop, 7 hp. Honda mtr.; 140' Badger chain; 330 Weaverline Elec. feed cart & charger; weather front for 770-880 Oliver; V snow plow; elec. drive cement mixer; 3 feed carts; barn fogger; 8'' JD silo pipe & gooseneck; pto. pulley for Ford tractor; 9'' pipe & gooseneck; starter for 880 Oliver tractor; 3-pt drawbar; 36'' portable fan; chicken wire; XL34 SEMEN TANK; Limited Quantity or Semen Inc Glendale Elevation, Kingpin, 2 breeding kits; 2 mineral feeders; whipple-trees; 24'' bike; Quantity of miscellaneous items

Misc. items to be sold first

TERMS: Cash or good check

OWNERS

WINSTON M. & SHIRLEY J. RUMSEY

MGRS. NOTE: Mr. & Mrs. Rumsey have sold their farm & cattle; Therefore are retiring from all farming operations. Machinery was purchased new, has been housed & kept in the best of repair. Every piece is ready to go to work.

Lunch by Fran Martin

Robert M. Shaylor Sales

515 Elmira St., Troy, Pa. 717-297-3278

Bob Shaylor
717 297 3278
Barn 717-297-2494
Au833-L

Reputable Sales Service
Licensed — Bonded

Bob Garrison
717 297 3873

AUCTION

REAL ESTATE
295 ACRE DAIRY FARM
HAMILTON, NEW YORK

The James and Esther Jones farm on Armstrong road, will be offered at public auction. From Route 12B in the center of Hamilton take the Lebanon road to Armstrong road. Only 2½ miles from the center of Hamilton, home of Colgate University From Route 26 in Eaton, take River road to Armstrong road

Thursday 16 May 1985 6:30 PM Sharp

This 295 acre dairy farm is in 2 tracts. Tract-1 is on the Armstrong road. Tract-2 is on the Chamberlain road. The tracts are 2½ miles apart, and both in the town of Lebanon

TRACT -1 Armstrong road 155 acres, 65 tillable, balance pasture, woods. 3 bedroom home fireplace, attached 2 car garage 113 head, 42'x276' free stall barn, double 4 milking parlor, Surge milking equipment, w/calibrated weight jars compressor, vac-pump, 735 gal. Sunset bulk tank, utility room, office, bath, 20'x40' Harvestore, 20'x80' Harvestore, 2-24'x60' cement silos, roller mill, w/dump scales, elevator & 96' bunk feeder This farm borders Colgate University farm land

TRACT -2 Chamberlain road 140 acres, 72 acres tillable, balance is woodlot, potential pond site Excellent alfalfa and corn land

Both tracts to be offered in parcels, combinations, and complete parcels vary from 3-80 acres You will be able to buy just what you need, all or part Harvestore silos to be offered separately.

TERMS $1000 per parcel deposit at auction, balance due at closing within 30 days Contact auction company for available financing to pre-qualified buyer inspection and brochure.

"FREE" $50 prize to the person guessing closest to the total price Everyone is eligible to win

PARKER AUCTION & REALTY Co.

Col. Hugh R. Parker, CAI RES
Auctioneer & Real Estate Broker
Box 101, South Otselic, New York
315-653-7777 607-334-4398

"We sell the Earth and everything on it."

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

MON. MAY 27 - 1:30 PM Open Consignment Sale for Ponys, Mules, Horses of all Breeds. Driving & Draft Horses. Shenandoah Valley Livestock Sales, Inc, 1044 Edom Rd, Harrisonburg, VA 22801

MON. MAY 27 - 9 AM Public Sale of Many Fine Antiques,Collectibles, Decorator Items & Hshld. Located 9 mis. W. of York on Rt. 234 to 400 West King Street in The Borough of East Berlin, Adams Co., PA. Conducted at The Carriage House at rear of former William Lease property Charles E. & Mariam I. Bechtel, Owners. Clair R. Slaybaugh, Auctioneer.

MON MAY 27 - 9 AM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc Co., PA.

MON MAY 27 - 9 AM Public Auction of Woodworking & Metal Fabricating Shop Located Briar Creek, PA, US Rt. 11 right below PA Aluminum. Robert Bigart, Seller Nevius Auction Service: Dan Nevius, Auctioneer

MON MAY 27 - 9 AM Public Auction of Real Estate, Antiques & Collectibles, Hshld. Located 5 mis. E of Millersburg, PA, ½ mi E of Rife & Rt 209 Dorothy K Schwalm, Owner Dockey, Dockey, Deppen, Auctioneers

MON MAY 27 - 9 AM Memorial Day Auction of Antique Furniture, Antique Bells, Primitives & Misc. Located approx. 4 mis W. of Lewisburg, PA. Just off Rt. 192, in Village of Cowan, Union Co. Grace Lohr, Owner. Wayne M. Hess, Auctioneer.

TUES. MAY 28 - 4:30 PM Public Auction of 6½ a. Farmette-Country Home, Antiques, Modern Hshld., Tools. Located off Rt 30 at New Oxford Square onto the Oxford Rd going N 9/10 mi. turning E. at Public Sale sign in Mt Pleasant Twp., Adams Co., PA. Robert E & Edna Becker, Owners Clair R Slaybaugh, Auctioneer.

THURS MAY 30 - 9 AM Public Auction of Processing Eq. For: Gulf & Western, Gloucester City, NJ. Vilsmeier Auction Co

FRI. MAY 31 - 5:30 PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., across RR bridge Ira Stoltzfus & Son, Auctioneers

Dairy and Livestock Sales

JUNE

SAT. JUNE 1 - 10 AM Annual Consignment Sale & Gas-Up, Nittany Antique Mach. Assn. at Penns Cave Grounds, Centre Hall, PA. Info. L.F. Harpster, RD2, Box 215, PA Furnace, PA 16865 814-692-8638 or 814-237-3141, 814-364-1878

SAT. JUNE 1 - 9:30 AM Public Sale of Antiques, Collectibles, Books & Hshld Located along Susquehannock Dr, Drumore Twp., Lanc. Co., PA DIRECTIONS Rt. 272 S. of Lancaster to Silver Spring Rd., turn W. onto Silver Spring Rd & continue to Susquehannock Dr. turn left & drive to Drumore Meeting House. Turn right at Meeting House. Terms by S Margaret Long. T. Glenn & Timothy G Horst, Auctioneers.

SAT. JUNE 1 - 9:30 AM Public Auction of Building Supplies & Tools, Kitchen Eq., Antiques & Collectibles, Farm Eq. Located Herndata Trade Center along Rt. 147 between Herndon & Mandata; 12 mis. S. of Sunbury. Marty Fels, Owner. Mike & George Deibert, Auctioneers.

SAT. JUNE 1 - 11AM Auction of 750 Acre Apple Farm. Located in Northern Panhandle of West Virginia, near Chester, West Virginia, Hancock Co 35 mis. W of Pittsburgh, PA. On US 30 then 2 mis. S. of West Virginia, Rt. 8 Anderson Auctioneers, Inc

SAT. JUNE 1 - 8:30 AM Farm Mach., Antique Tools & Hshld. Located Glen Rock, PA. Approx. 2 mis. W. of Shrewsbury, turning on W. clearview Dr. towards Glen Rock. First farm along Rennoll Rd. Turn at the Formerly known Kings one room school house. Edna S. Snyder, Owner. Bob & Tom Sechrist, Auctioneers.

SAT. JUNE 1 - 9 AM Auction of Trucks & Vehicles for Philadelphia Electric Co., Norristown, PA. Vilsmeier Auction Co., Inc

PUBLIC AUCTION

MONDAY, MAY 27, 1985 9:00 A.M.

Located 5 Miles East Of Millersburg, Pennsylvania, ½ Mile East Of Rife & Route 209. Watch For Auction Sign Along Route 209.

REAL ESTATE

TRACT #1: A LOT situate in Washington Township, Dauphin County, on the southern side of Pa. Route 209 being Lot No. 4 on a Subdivision Plan recorded in Dauphin County Plan Book "F", Vol. 2, Page 143, with a frontage along said Pa. Route 209 of 100 feet and a depth of 150 feet.

TRACT #2: A LOT situate in Washington Township, Dauphin County, on the southern side of Pa. Route 209 being Lot No. 5 on a Subdivision Plan recorded in Dauphin County Plan Book "F", Vol. 2, Page 143, with a frontage along said Pa. Route 209 of 100 feet and a depth of 150 feet.

TRACT #3: A LOT situate in Washington Township, Dauphin County, on the southern side of Pa. Route 209 being Lot No. 6 on a Subdivision Plan recorded in Dauphin County Plan Book "F", Vol. 2, Page 143, with a frontage along said Pa. Route 209 of 100 feet and a depth of 150 feet.

TRACT #4: A LOT situate in Washington Township, Dauphin County, on the northern side of Pa. Route 209 being Lot No. 6 on a Plan of Section A as more fully set forth in Dauphin County Deed Book "P" Vol. 58, Page 585 with a frontage along said Pa. Route 209 of 116 feet and a depth of 150 feet.

TRACT #5: FARM, 26 ACRES, more or less, situate in Washington Township, Dauphin County, having thereon constructed a 2½-STORY FRAME HOUSE...First floor contains KITCHEN, DINING ROOM, LARGE DOUBLE LIVING ROOM & HALF-BATH...Second floor has 4 BEDROOMS & BATHROOM...CEMENTED CELLAR...OIL HOT WATER HEAT...LARGE BANK BARN & MISC. OUT-BUILDINGS.

TRACT #6: A tract of WOODLAND situate in Washington Township, Dauphin County, containing 17 acres and 15 perches.

For additional information or inspection of above tracts, phone 717-362-9768 or 717-692-3432 (after 6:00 P.M.) or 717-758-6004. Real Estate will be offered at 1:00 P.M.

ANTIQUES & COLLECTIBLES

Early 1-Door Cupboard; Low Dry Sink; (2) Rope Beds; Oak Extension Table; Mahogany Library Table; Empire Chest of Drawers; (2) Easels; Oak Rocker; Tramp Art Blanket Chest; Quilting Frame; Wagon Seat; Assortment of Picture Frames; Assorted Gas Light Fixtures & Shades; (2) Kerosene Lamps; Rayo Lamp; Etc.

HOUSEHOLD ITEMS

Westinghouse Stove; Westinghouse Automatic Washer & Dryer; Ben Franklin Woodburning Stove; White Portable Electric Sewing Machine; (2) Humidifiers; G.E. Window Air Conditioner; 2-Pc. Living Room Suite; Walnut Coffee Table; Maple Bed, Box Springs & Mattress; (2) Single Beds, Box Springs & Mattress; (4) Dressers; (2) Metal Wardrobes; Cedar Chest; Crib; New 9'x12' Rug; (2) Oval Room-Size Braided Rugs; Collection of Cups & Saucers; Misc. Dishes, Pots & Pans; Etc.

JOHN DEERE 110 GARDEN TRACTOR WITH MOWER

FARM-RELATED ITEMS

Side Delivery Hay Rake; Spring Tooth Harrow; Cultipacker; Horse Drawn Machinery - (2) Plows, (2) Cultivators, Potato Plow, Wagon & Bob Sled; PTO Grain Wagon; Corn Sheller; Large Millstone; 500-Gal. Galvanized Watering Trough; Aluminum Elevator; Milk Cans; Assortment of Cherry & Walnut Lumber; Anthratube Coal Furnace; Etc.

TERMS: REAL ESTATE - 10% DOWN. FURTHER TERMS AND CONDITIONS TO BE GIVEN DAY OF SALE. PERSONAL PROPERTY-CASH. PERSONAL CHECKS ACCEPTED ONLY FROM PERSONS HAVING AN ESTABLISHED ACCOUNT WITH AUCTIONEER OR APPROVAL PRIOR TO DAY OF SALE.

Owner,
DOROTHY K. SCHWALM

EARL RICHARD ETZWEILER, ATTORNEY
AUCTIONEERS: DOCKEY #AU229L,
DOCKEY #AU1683L &
DEPPEN #AU1957L

10th ANNUAL CONSIGNMENT SALE

For the benefit of
the Cumberland Valley Amish School.
Will be held at the Steven Stoltzfus Farm.
Directions: Four (4) miles east of Newburg off 641 at Game Lands or 4 mi. west of Newville in Cumberland Co. Watch for signs.

SATURDAY, MAY 18, 1985

9 a.m.

Quilts will be sold at 12:30

Tools
Hardware
Harnesses and Halters
Farm Machinery
Utility Barn
Furniture-home and office
Antiques
Crafts
Baked Goods
Produce
Plants
Shrubbery

Wagon Load of Miscellaneous Items
Dry Goods, Watches and Glassware by Cousin

AND LOTS MORE!

Auctioneers: Steve Petersheim, Melvin Sensenig, Glenn Harry, and Others

Lunch Stand Reserved
Not Responsible for Accidents

PUBLIC AUCTION

WED. EVE. MAY 15, 1985

4:00 P.M.

LAWN MOWERS, FARM TRACTORS & EQUIPMENT

OWNER SELLING DUE TO ILL HEALTH

LOCATED: 860 Graffius Rd., York, PA. - 3½ mile north of Rt. 30, Intersection onto Bull Rd., ½ mile south on Bull Rd. from Hakes Store.

FARM TRACTORS & LAWN TRACTORS

Farmall H Tractor W/Hydraulic
Massey Harris Pony Tractor W/Plow, Culti., Sickle Bar Mower, Snow Plow - Both Overhauled
A.C. Side Mtd. 9 Ft. Sickle Bar Mower For D Series Tractor
Rototiller
Golf Carts w/10 hp. Kohler Engine
A.C.-B 10 Tractor & Mower
Int. Cadet 55 & Mower
Dixon 2TR301 Mower
A.C. B-12 & 42" Mower
Wards 12 & Mower
Ford 75 & Mower
Wheelhorse & Mower
Other riding mowers, 25 Rotary mowers of various sizes, 10 push mowers, Snow Blower attachments, 10 gas engines, mower decks, engine parts, electric motors, 10 Reel mowers, wheels for lawn tractors & lawn mowers, caster wheels, David Bradley garden tractor, Culti. & Disk for David Bradley, lawn roller, Cole garden planter, David Bradley wagon w/7x14 bed & sides, metal wood saw frame, wheelbarrow, lawn trailer, 2"x12" lumber, snowmobile trailer & many misc. items.

-SIMPLEM REAL MOWER SHARPNER-
Mowers for parts - metal shelving
Culligan Water Softner.
TERMS: CASH OR GOOD CHECK

Wm. Graffius
860 Graffius Rd.
York, PA.
AUCTIONEER: Blaine N. Rentzel
Lic. #761
Nevin B. Rentzel
Lic. #1442
Ed Miller
Lic. #1329
Phone: 717-764-6412

SPECIAL GRADE HEIFER SALE

600 HEAD--ALL AGES AT

New Holland Sales Stables, Inc.

Located 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

SATURDAY, MAY 18 — 10:00 A.M.
FRESH HEIFERS SELL AT 12:00 NOON

- Many lots of vaccinated open heifers
- Some breeding age
- Lots of heifers bred to freshen this Summer and Fall.
- Good Big Springing Heifers.

Note to Consigners. Please have heifers at barn day before sale along with 30 day health charts, vet checked, breeding information, etc Most heifers calfhood vaccinated and tested for Interstate Shipment. Test Now.
New buyers and out of state buyers need credit reference.

For More Information Contact
Abe Diffenbach 717-354-4341
or
Norman Kolb 717-397-5538

- - - - - - - - - - - NOTICE - - - - - - - - - - -

OTHER SPECIAL SALES

Fri. May 24	9 A.M. Farm Equipment Sale	Fri. Sept. 6	7 P.M. Holstein Promotion Sale
Sat. June 8	10 A.M. Registered Heifer Sale	Fri. Sept. 13	9 A.M. Farm Equipment Sale
Fri. July 12	7 P.M. Horse Sale	Sat. Sept. 28	10 A.M. Fall Heifer Sale
Fri. Aug. 2	9 A.M. Farm Equipment Sale	Wed. Oct. 30	9 A.M. Dairy Show
		Fri. Nov. 8	9 A.M. Farm Equipment Sale

GRASS TIME SALES

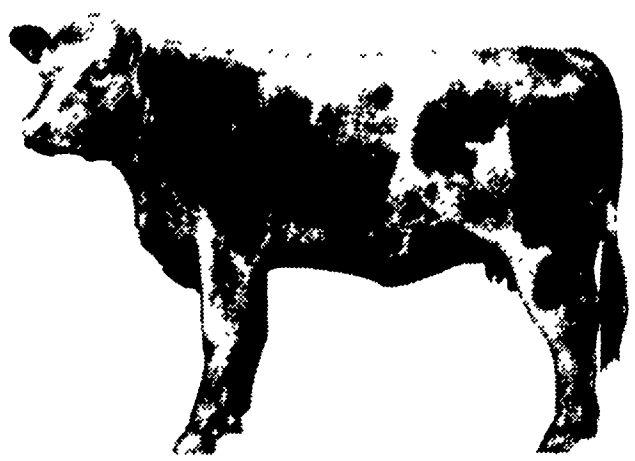
SATURDAY, MAY 25, 1985

1:00 P.M.

Sponsored by PA Simmental Association

Location: Farm Show Complex, Harrisburg, PA.

SELLING 65 SIMMENTALS



25 Cows w/Calves at side
25 Bred Cows
10 Open Purebred Heifers

5 Breeding Age Bulls
Purebred and ¾ and ½% Simmental
Many 3 in 1 packages

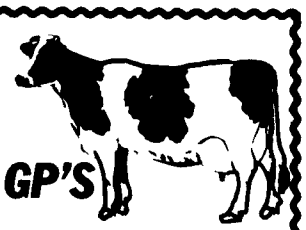
For more information, Contact:

STOUGH LIVESTOCK SERVICES
3882 South Cochran Rd.
Charlotte, MI 48813
517-543-6670

The Sale Committee
Wayne Stough
717-225-6279

Auctioneer: John Spiker, Rt. 1, Box 161-S
Jane Lew, West Virginia
304,884,7915 AU-001908-L

THE GJA - TOP - REG. HOLSTEIN DISPERSAL



60% BRED FOR EARLY FALL! 11 VG'S-25 GP'S

FRIDAY, MAY 17, 1985 at 11:A.M.-

FLEMINGTON, N.J.

For George & June Alles, 1 mile east of Flemington, N.J. on Spur Rt. 514 off Rt. 202 2nd farm on left opposite Sun Ridge Development. FARM SOLD!

11:A.M.-66 HD - 52 Reg mature holsteins, 8 Reg bred heifers, 2 Reg breeding bulls, 4 grade cows. **DHIA TESTED** - 14,596M - 529F Rolling Herd Average. 20hd from 15,000 to 19,000M, 6 hd from 19,000 to 22,727M, 23 hd from 550 to 879F! 16 yrs of DHIA testing!

CLASSIFICATION - BAA 102.2! 11 Very Good cows w/2 at 88 Pts, 25 Good Plus w/7 at 83 Pts, 14 Goods. Classified since 1976.

BREEDING - AI for 21 years using Sire Power and Select Sires! **SIRES REPRESENTED** - 2 RORA Elevations, 4 Betty Chiefs, 4 Milkys, 2 Astronauts, 2 Valiants, Spirit, Jerry, Jemini, Seaman, Creek, Transmitter, 2 Triple Threats and others! **SERVICE SIRES** - 7 to Columbus, 5 to Forcaster, 5 to Stewart, 3 to Bell, 2 to Pete, 3 to Valor, 2 to Ned, 1 to Chairman and others! **LACTATIONS** - 34 hd due late summer and early fall! A base builder herd! 25 hd due Aug and early Sept! Some cows selling are fresh recently! 8 Reg Heifers bred for fall! **AGE** - A young herd, average age around 4 yr. 3 mos! Cattle carry quality well attached udders w/strong legs. Young milky cattle are found here that haven't been pushed with feed. Cattle have a tremendous potential for higher production and score advancement! 99% home raised! **BULLS** - A 14 mos old Spirit son out of a 17,000 lb. chief dtr A 15 mos. old Ranger son out of a 17,500 lb. Astronaut dtr. **HEALTH** - 99% calfhood Vacc., yearly IBR and Lepto Vacc., 30 Day T.B. & Blood Tested for interstate shipment! Pregnancy examined!

DELAVAL 46 COW PIPELINE w/auto washer, 4 units! **SUNSET** 625 gal Bulk Tank!

AUCTIONEERS NOTE! It will pay not cost to attend this sale! Plan to spend May 17 with us at the GJA dispersal. The Alles family have been very active in both county and state Holstein assoc. This herd is being sold because the farm has been sold!

Catalogs at ringside!
Pedigrees by Art Sutton!

TERMS - Cash or Good Check w/proper I.D. Full Settlement Sale Day!

Owner
GEORGE & JUNE ALLES
201-782-4207

SALE CONDUCTED BY:
COL. FRED R. DANIEL AUCTIONEERS INC.
Neshanic Sta., N.J. 201-369-4784
(A Full Service Auction Co.)

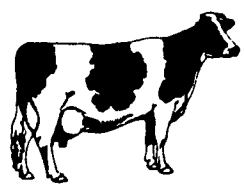
LUNCH!

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT JUNE 1 - 9 30 AM Public Sale of Real Estate, Farm Mach., Shop Tools Located just off Rt 174, Carlisle, Cumberland Co., PA Terms by Donald Mullen Sensenig Auctioneering Service



COMPLETE DAIRY HERD DISPERSAL

FRIDAY EVE., MAY 24, 1985

-7:00 P.M.

Selling at Kling's Sale Barn, located 15 miles North of Carlisle on rt. 74, 2½ miles N.E. of Landisburg, Perry Co., Pa.

90 HOLSTEINS 90

Consisting of 45 Mature Animals; 10 Bred Heifers; 35 Yearlings, Open Heifers & Calves. 10 Head Registered; 9 I.D. Grades; 2 Registered Bulls; Herd Average is over 15,200m 532fat; Individual Records to 22,000m; 3 Cows milking at 90 lbs. now.

Sire of Registered Animals include–
Jet Stream, Milestone, Clinton Camp Majesty, Harrisburg Gay Ideal, Grand Fortune, Superior, Astro Galaxy, Fury Lad, Star Dust, Astronaut Jewel.

All Cattle carry Service of Atlantic Sires. Service Sires Include–
Stewart, Ace, Very, Penstar, Basic, Valor, Bransdale, Rebel, Sun Gold Big Boy and Many More.

13 Animals to freshen in April-8 in May & June; 18 Fall Cows.

"This is a very Nice Young Herd that has improved every year"–
1983 Herd Average-12,800-463 fat
1984 Herd Average-14,000-495 fat
1985 Herd Average-15,200-532 fat
(13 Mo. Calving interval on the Herd)

All Young Stock and one-half the dairy herd is calfhood vaccinated.
Catalogs * Pregnancy Checked * 30 Day Test

AUCTION KLING'S SERVICE
R D. 1 Landisburg PA 17040
tel.(717)789-3883 • 789-3616
License No AU-000500-L

HIDDEN VALLEY FARM
Owner,
BRUCE TRAUGER
R.D.1, Dalmatia, Pa.
717-758-6632

Sale By: Kling's Auction Service
Landisburg, Pa.
717-789-3883
Lic. #AU-000500-L

ALLEGANY-STEUBEN CALF AND BRED HEIFER SALE

FRIDAY, MAY 17, 1985

at 8:00 P.M.

to be held at the Club Sale Barn, Canisteo, NY, on Route 36, 10 miles south of Hornell, 5 miles south of Canisteo, NY. Barn Phone: 607-698-8102.

SELLING 75 HEAD
Top Quality Registered Holsteins
Calves, Heifers, and Bred Heifers

A Few Featured Entries:
Celeste Barker, Ulysses, PA, sends a June '84 Leprechaun dau. out of a "VG-87" Kit Builder dam with 24,308 and 798f; next two dams are GP-83 with 25,917 and VG-85 with 21,487. **George & Bonnie Barker** send a Nov. '84 Valiant out of a GP-82 Boot-nick dam with 19280 3.9 770. **Roy Simpson,** Mansfield, PA, sends a Dec. '84 Woodbine Can Am daughter out of a "VG" dam with Ex-Mammary; **ALSO** a Reu-Hel Club Standard dau. **DON COLEMAN,** Hornell, NY, sends a Board Chairman heifer due in June and out of an "EX-2E" Astronaut dam. **John Emerling,** Perry, NY, sends a July '84 Mars dau. out of a "VG-86" dam with 23,830, next dam is "EX" with 31,260 1,196. **Arnold Dueppengiesser,** Perry, NY, sends an Oct. '84 Tony dau. out of a "VG-88" dam with 27,450 1,028. **Bret Benton,** Troupsburg, NY, sends a Sept. '84 Jewelmaker out of a "VG" dam with 20,244, next two dams are VG-87 and VG-88. **Jerry Smith,** Rexville, NY sends 5 top-pedigreed calves including a Dec. '84 Jewelmaker out of a VG VG-Mammary dam, next dam is "EX", next dam is VG-88. **Montash Farm** Holcomb, NY sends 2 bred heifers out of VG dams with +616 and +327 index. **Hamlet J Farm** sends a King Arthur heifer due to Woodbine Pearl Comet and out of a VG dam; next dam is EX.

Including many more Outstanding entries, plus 2 Opportunity Calves to be offered to the Junior Holstein members.

Cattle will be innoculated for shipping fever and will be tested for interstate shipment.

Sponsored by the
ALLEGANY-STEUBEN HOLSTEIN CLUB

Sale Chairman:
Dan Williams, Houghton, NY
Ph. 716-437-5595
Selector:
Greg Coyne, Avon, NY
Ph. 716-226-3508

WILLIAM KENT, INC.
SALE MANAGER & AUCTIONEERS
STAFFORD, NY Ph. 716-343-5449
548-7738

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

TUES. JUNE 4 - 12 Noon 5th Annual Bailey View Farms Fresh and Colse Reg. & Grade Holstein Heifer Auction. Ulysses, Potter Co., PA. Baily-View Farms 814-848-7421, Owners. Sale Conducted by: Jerry Pirrung Sales, Ulysses, PA.

TUES. JUNE 4 - 5PM Public Auction of Woodworking Tools, Guns, 1974 Ford Gran Torino, Personal Property. Located along Rt. 625 in Village of Bowmansville. From Rt. 23 take Rt. 625 N. to Village of Bowmansville. Terms by: Kathryn Witmer. Randal Kline, Lloyd Kreider, Roy Good, Jr., Auctioneers.

TUES. JUNE 4 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

WED. JUNE 5 - 9 AM Auction of Line & Const. Eq. & Trucks. For The L. E. Myers Co., Mapleton, Utah. Vilsmeier Auction Co., Inc.

FRI. JUNE 7 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

SAT. JUNE 8 - 10 AM Registered Heifer. New Holland Sales Stables, Inc., Auctioneers.

SAT. JUNE 8 - 10 AM Public Auction of Farm Mach., Hay & Corn, Trucks, Sawmill, Butcher & Dairy Eq., Farm Accessories. Located Millersburg, PA. Approx. 3 mis. E. of Millersburg, Rt. 209, or 5 mis. W. of Elizabethville on Rt. 209 & ½ mi. N. on Landis Drive at the Free Grace Church. Mr. & Mrs. Earl Raker, Owners. Edwin Shoop & David Deibler, Auctioneers.

SAT. JUNE 8 - 10 AM Public Auction of Collectibles, Antiques, Hit & Miss Engines, Guns, Mach. Lathe, Furniture. Located Berwick, PA, RD3, Martzville Rd. Turn N. on Market St., go to end. Myron & Isabel Heckman, Seller. Nevius Auction Service: Dan Nevius, Auctioneer.

SAT. JUNE 8 - 9:30 AM Public Sale of Real Estate, Antiques & Hshld. Located along Pine Hill Rd., Warwick Twp., Lanc. Co., PA. DIRECTIONS: Rt. 501 N. of Lititz, turn E. onto Newport Rd., continue to Clay Rd. Turn N. on Clay Rd. continue to Pine Hill Rd., turn right. Terms by: Clarence A. Engle, Sr. Estate. T. Glenn & Timothy G. Horst, Aucts.

SAT. JUNE 8 - 9:30 AM Barge, Line Eq. Trucks & Vehicles. For Consolidated-Edison Co., Astoria, NY. Vilsmeier Auction Co., Inc.

SAT. JUNE 8 - 9 AM Selling Lifetime collection of the Late Irvin M. Scheib at the corner of S. Second & Heller Sts. in Berrysburg, Dauphin Co., PA; 10 mis. E. of Millersburg; 30 mis. N. of Harrisburg. Mrs. Irvin M. Scheib, Owner. Mike & George Deibert, Auctioneers.

SAT. JUNE 8 - 9:30 AM Public Sale of Hshld. Goods, Antiques, Dolls, Dishes, Garden Tools, Guns. Located in Lanc. Co., PA, on Diller Ave. in New Holland. From Rt. 23 go S. on Diller Ave. across RR tracks, first farm left. Mrs. Allen Hoover, Owner. Steve Petersheim & Steve Jr., Auctioneers.

MON. JUNE 10 - 10 AM Gabriels, Franklin Co., NY. Complete Line of Potato Farm Machinery of Longtime Seed Grower Dave Young. PIRRUNG AUCTIONEERS, Wayland, NY. 716-728-2520.

TUES. JUNE 11 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

FRI. JUNE 14 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511.

FRI. JUNE 14 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

SAT. JUNE 15 - Benefit Auction of Ephrata Menn. School. Located along Schoeneck Rd., Ephrata. Pual E. Martin & John D. Stauffer, Auctioneers.

SAT. JUNE 15 - Auction of Equip. & Trucks. For Virginia Electric Power Co., Richmond, VA. Vilsmeier Auction Co., Inc.

SAT. JUNE 15 - 10 AM Public Auction of Inventory Plumbing Supplies & Misc. Located in Martindale, PA, Lanc. Co. Rays Plumbing, Owners. Paul W. Horst, Auctioneer.

SAT. JUNE 15 - 9 AM Selling Lifetime collection of the Late Irvin M. Scheib at the corner of S. Selcond & Heller Sts. in Berrysburg, Dauphin Co., PA; 10 mis. E. of Millersburg; 30 mis. N. of Harrisburg. Mrs. Irvin M. Scheib, Owner. Mike & George Deibert, Auctioneers.

TUES. JUNE 18 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

FRI. JUNE 21 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

SAT. JUNE 22 - Public Auction of the Colonial World Class Sale '85. Located at Riverwood Farms, Powell, Ohio. Sponsored by Colonial Charolais Assoc. Buzz Garey, Manager.

TUES. JUNE 24 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

FRI. JUNE 28 - 12 Noon Dairy Sale. Penns Valley Livestock Auction, Centre Hall, PA. Scott L. Yocum 814-466-3150. Ron Gilligan, Auctioneer.

FRI. JUNE 28 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

SAT. JUNE 29 - 12 Noon Red Carpet Reg. Horse Sale-Cambria Co Fair Grounds, Ebensburg, PA. Red Carpet Horse Sale.

JULY

FRI. JULY 12 - 7 PM Horse Sale New Holland Sales Stables, Inc., Auctioneers.

FRI. JULY 12 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511.

FRI. JULY 19 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

FRI. JULY 26 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

SAT. JULY 27 - Geet Ministries. Martin Sale Barn. Steve Petersheim, Auctioneer.

AUGUST

FRI. AUG. 2 - 9 AM Farm Equipment. New Holland Sales Stables, Inc., Auctioneers.

FRI. AUG. 9 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81 717-249-4511.

SAT. AUG. 10 - 12 Noon Sixth Prince Plaudit Production Sale. Rimwold Ranch, Strattanville, PA. Appaloosa Horses. Dave Seahlman, Owner. Red Carpet Horse Sale, Inc.

SAT. AUG. 17 - 9 AM Annual Consignment Sale of Kutztown Fire Co. at the Firehall 1½ mi. N. of Myerstown on Rt. 645. Local Auctioneers. Henry Brubakr, Chairman: 717-866-2702.

SEPTEMBER

FRI. SEPT. 6 - 7 PM Holstein Promotion. New Holland Sales Stables, Inc., Auctioneers.

FRI. SEPT. 13 - 9 AM Farm Equipment. New Holland Sales Stables, Inc., Auctioneers.

FRI. SEPT. 13 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511.

SAT. SEPT. 14 - Honey Brook Fire Co. Quilt Sale. Steve Petersheim, Auctioneer

SAT SEPT 28 - 10 AM Fall Heifer Sale. New Holland Sales Stables, Inc., Auctioneers

SAT. SEPT 28 - 12 Noon. Red Carpet Catalog Reg Horse Sale Cambria Co Fair Grounds, Ebensburg, PA. Red Carpet Horse Sale, Inc

OCTOBER

SAT. OCT. 5 - 9 AM Red Carpet Fall Draft & Driving Horse Sale-Cambria Co Fair Grounds, Ebensburg, PA

FRI. Oct. 11 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81 717-249-4511

WED. OCT. 30 - 9 AM Dairy Show. New Holland Sales Stables, Inc.

NOVEMBER

SAT. NOV. 2 - Hubert '85 Production Sale. Located at the ranch, Monument, Kansas. Buzz Garey, Manager.

FRI. NOV. 8 - 9 AM Farm Equipment. New Holland Sales Stables, Inc., Auctioneers.

FRI. NOV. 8 - 1:30 PM Public Auction of PA State Graded Feeder Pigs Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511.

DECEMBER

FRI. DEC. 13 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511

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POLLED HEREFORD
AUCTION

SATURDAY, MAY 25, 1985
11:00 A.M.
AT THE FARM
MIDDLESEX, NEW YORK

Selling 46 lots of Registered Polled Herefords! Investment cattle, show prospects and overall "herd improvers". The very best of current breeding representing nationally known bloodlines!

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TREBORDALE FARM DAIRY HERD DISPERSAL AT AUCTION

The undersigned discontinuing dairy farming has authorized a complete dispersal of all dairy cows and heifers of milking age. Sale to be held on the farm known as Trebordale Farm, located on State Line Road, ½ mile north of Cumberland Farm Store & Route 44, Millerton, N.Y.

SATURDAY, MAY 25, 1985
11:30 a.m.
Rain or Shine

68 HyGrade & Registered Holstein Cows & Heifers 68

Herd Avg. last 4 years from 15,560 to 16,396 3.8 test

56 cows and 12 fresh & springing first calf heifers. Over 50% of this dairy is 1st & 2nd calf heifers. 25 fresh March thru May, 21 due June thru Sept., balance milking & bred for year round production.

Several cows milking in excess of 20,000 lbs with complete records over 35,000, butterfat tests to 4.6%. These records were made on an owner feeding program of ½ grain per cow of DHIA recommendations.

Sires include Willow Terrace Fond Friend, Fond Tom, Mountaineer, Top Command, Maple Ben, Cypress, Fleet, David, Dairyman, Walk and Ben. Majority were all home raised from ABS sires.

All tests are up-to-date, calfhood vaccinated, pregnancy checked and eligible for interstate shipment including Connecticut.

Terms of Sale: Cash or good check day of Sale. New buyers must have a bank letter guaranteeing payment.

Sale by Order of Owners,
MR. & MRS. ROBERT GIUMARRO
Millerton, N.Y.

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Auctioneer-Sales Manager
David D. Luther, CAI
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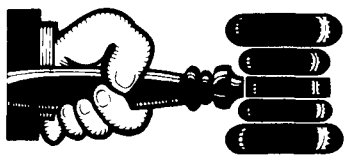

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NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P M Tuesday of each week's publication.

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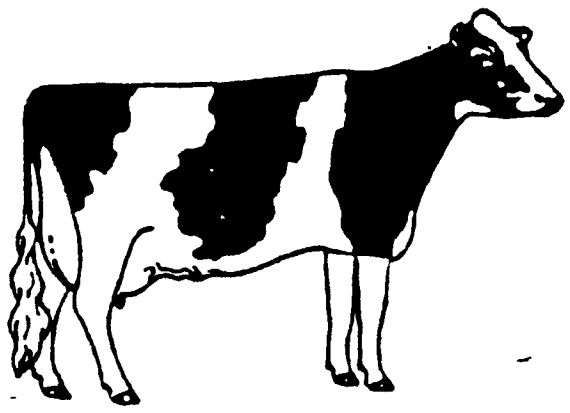
LOCATION: At my Maryland Farm, located ½ mile northwest of Woodsboro, Route 550, in Frederick County.



HOLSTEIN COW SALE
THURSDAY NIGHT
MAY 16th, 1985
7:30 P.M.

PUREBRED COWS
FRESH GRADE COWS
CLOSE SPRINGING COWS

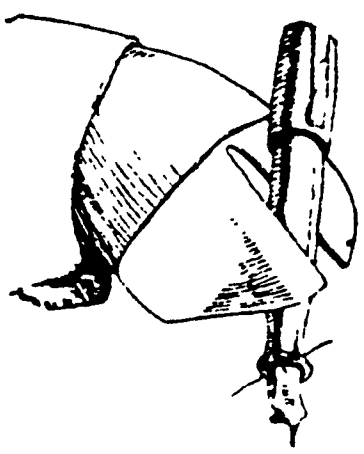
150 HEAD
HAND-PICKED FOR THIS SALE!
150 HEAD

PUREBRED HEIFERS
FRESH GRADE HEIFERS
CLOSE SPRINGING HEIFERS

We will have many real fancy Purebreds, some classified with good records & pedigrees. There will be several fancy Purebred 1st calf heifers, large in size and of the best quality.

We will have a load of Fresh Fancy Grade Heifers from Maine, a load of Fancy Heavy-Milking Grade Cows from New York, a load of really good Cows & Heifers from New Hampshire & Connecticut, and some nice Wisconsin Cows & Heifers!

SAMPLE OF SOME COWS FOR SALE:



A VG-86 DORLOY ROBIN REFLECTION dau. 2-0 305d. 14730M 3.8 565F, 3-0 349d 22188M 4.2 941F, bred 7-29-84 to LEADFIELD COLUMBUS-ET, dam 3y 343d 20500M 3.8 777F, next dam 305d 18760M 681F.

A VG-86 PACLAMAR ASTRONAUT dau., bred to IVANHOE BELL, 305d 16990M 544F Inc., dam 20420M & 735F.

A CUMVA PROUD PERFORMER dau., dam at 2y 18340M & 640F.

A MD-NEW HOPES REBEL ELEVATION dau., fresh with heifer calf by DAIRYMAN, dam VG-86 354d 24680M 4.0 974F., next dam 20700M & 753F. A Maternal Sister by PABST milked up to 80 lbs. as Jr. 2 yr. old

A SHARDALE ARLINDA CHIEF JEMINI dau., dam 288d 16720M & 512F.

A real nice WILL-TRI FRANS LEGACY dau.; and a 4 yr. old HIGH SILO HAVEN JETSTAR dau-- a real top Cow!

SPECIAL MENTION

6 Fancy Purebred JERSEY Cows
A nice 3 yr. old BROWN SWISS due at sale time

2 Big Fancy Red & White Grade Holsteins--real top cows!
Many more not listed in this ad!

FARMERS: If you need good cows or heifers, please come to this sale--we will have the kind you are looking for!

FREE FOOD FOR ALL DAIRY FARMERS

DOOR PRIZE: Purebred Heifer Calf
Must be a buyer to be eligible & present to win.

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AMISH--Please call: 569-2106/569-6800 before Noon on Thursday.

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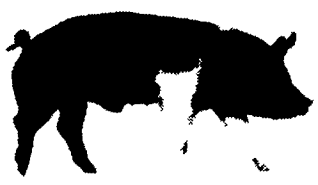
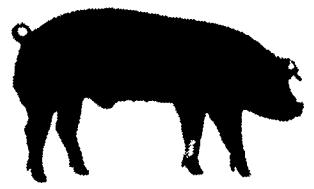
KleenLeen's Total Genetic Package Breeds Success

PUREBRED BOARS



Kleen Leen Hampshire
Complements other breeds by maximizing offspring vigor, reducing backfat, and providing good muscling and carcass quality.



Kleen Leen Duroc
Known for their ability to improve offspring growth rate and feed efficiency.

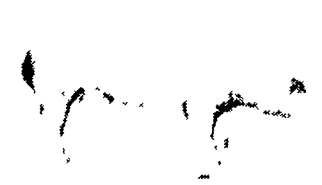
Kleen Leen Yorkshire
Passes along maternal ability that can result in larger, stronger litters.

Kleen Leen Landrace
Bred for durability. A mother breed adapted to confinement that milks well for good pig survival.

CROSSBRED BOARS

Kleen Leen Blackline
A Hampshire × Duroc F_1 cross that's specially designed for producing market hogs. These aggressive breeders give offspring ability to grow fast, convert feed efficiently and yield lean, meaty carcasses.

Kleen Leen Whiteline
A durable Duroc × Yorkshire F_1 cross that is suited to produce replacement gilts with faster growth rates, improved feed efficiency and excellent reproductive performance.



Kleen Leen M-Line
A Yorkshire × Landrace F_1 cross that produces replacement gilts with the ability to farrow large litters, milk well and wean larger pigs.

Only KLEEN LEEN offers the total Genetic Package that can pay off in three important areas of hog production.

- **PERFORMANCE - Commercial data on 10,513 head from 43 pounds to 229 pounds A.D.G. 1.65 lb./day; F.E. 2.96 lbs.**
- **MATERNAL PRODUCTION - Data on 1,118 litters 10.94 born alive, 9.67 weaned**
- **CARCASS QUALITY - 5,356 hogs @ $5.16 premium/head**

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